

274SERBSF10,616

274SERBSF10,616

Site Name (Subject): SCOTT'S CREEK BATTERY SITE

Site ID (Document ID): NCD980848840

Document Name (DocType): Correspondence (C)

Report Segment:

Description: General Correspondence, 1983 - 1989

Date of Document: 11/27/1989

Date Received: 11/29/1989

Box: *Enter SF and # with no spaces* SF10,616

Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

Print Report for
Record

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(default to last
record values)

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SCOTT'S CREEK BATTERY SITE

NCD 980 848 840

Folders

1. General Correspondence file, 1983—

Bound Reports

2. Maps and Press Clippings



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SCOTT'S CREEK BATTERY SITE

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[Site Narrative at Listing](#) | [NPL Fact Sheet](#) | [Five-Year Reviews](#) | [Interagency Agreements](#) | [Area Map](#)

Site Name: SCOTT'S CREEK BATTERY SITE

Street: 402 HOWELL RD

City / State / ZIP: NEW BERN, NC 28560

NPL Status: Not on the NPL

Non-NPL Status: SI Start Needed

EPA ID: NCD980848840

EPA Region: 04

County: CRAVEN

Federal Facility Flag: Not a Federal Facility

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SCOTT'S CREEK BATTERY SITE

Actions

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<u>OU</u>	<u>Action Name</u>	<u>Qualifier</u>	<u>Lead</u>	<u>Actual Start</u>	<u>Actual Completion</u>
00	DISCOVERY		F		05/01/1984
00	SITE INSPECTION	N	F		06/01/1984
00	REMOVAL	C	F	01/21/1985	01/25/1985
00	PRELIMINARY ASSESSMENT	L	F		12/10/1986
00	NON-NPL PRP SEARCH		FE	09/24/1987	05/29/1988

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- Site Spill Identifier List (SPIL)
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- Customer Satisfaction Survey

CERCLIS Database

SCOTT'S CREEK BATTERY SITE

Actual Costs

[Actions](#) | [Aliases](#) | [Contaminants](#) | [Actual Costs](#) | [Operable Units](#) | [Site Info](#) | [RODS](#)
[Site Narrative at Listing](#) | [NPL Fact Sheet](#) | [Five-Year Reviews](#) | [Interagency Agreements](#) | [Area Map](#)

<u>OU</u>	<u>OU Name</u>	<u>Actual Cost</u>
00	SITEWIDE	\$87,000.00
	<u>Total Actual Costs</u>	\$87,000.00

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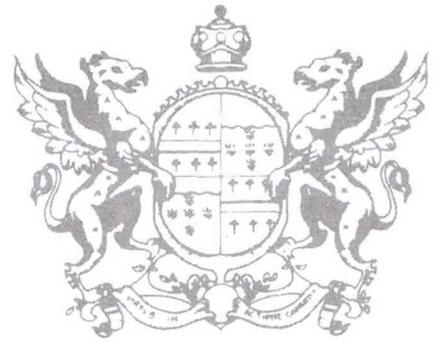
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URL: http://cfpub.epa.gov/supercpad/cursites/cacostinfo.cfm
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**County of Craven
Department of Health**

Elizabeth P. Joyner, M. P. H.
HEALTH DIRECTOR

RECEIVED
NOV 29 1989
SUPERFUND SECTION



November 27, 1989

Lee Crosby, Chief
Superfund Section
Solid & Hazardous Waste Division

Scott's Creek Battery Site
NCD 780 848 840

Dear Ms. Crosby:

I have spoken with my supervisor and he has indicated that we would not have a problem in continuing to annually monitor well water from 404 Howell Road adjacent to the old battery dump site. We will plan to continue the annual samples but would like to know the duration period requested for continued collection of these samples.

If I can be of any further assistance, please call me at (919) 633-3488. Thank you.

Sincerely,

Troy C. Dees, R.S.
Sanitarian
Division of Environmental Health

TD/mr

tdcrosby.ltr



State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

20 November 1989

Mr. Troy C. Dees, R.S.
Sanitarian
Craven County Division of Environmental Health
2102 Neuse Blvd.
P.O. Box 1390
New Bern, NC 28560

Dear Mr. Dees:

I received the latest inorganic analysis for the well at 404 Howell Road in Craven County. I appreciate your efforts in taking the sample. Even though the site was cleaned up in 1984, I think it is prudent if we continue monitoring the groundwater adjacent to the site a while longer. Just an annual sample will let us keep tabs on any subsurface contamination that may move from the site. I'll be happy to have sampling containers and shipping cartons sent to you so you can ship the samples directly to the lab.

Please call Grover Nicholson or me at 919/733-2801 to arrange for sampling containers or if you have any other questions. Thank you again for your help.

Sincerely,

A handwritten signature in cursive script that reads "Lee Crosby".

Lee Crosby, Chief
Superfund Section
Solid and Hazardous Waste Division

LC/db/HowellRd.GN

**County of Craven
Department of Health**

Elizabeth P. Joyner, M. P. H.
HEALTH DIRECTOR

RECEIVED
OCT 31 1989
SUPERFUND SECTION



October 27, 1989

Ms. Leigh Crosby
NC Superfund Branch
PO Box 2091
401 Overland Road
Raleigh, NC 27602-2091

Dear Ms. Crosby:

Enclosed you will find the results of an inorganic chemical analysis for heavy metals performed on the well from 404 Howell Road in Craven County, North Carolina. In the past this department had been asked by Mr. Frank Moore to annually collect a sample from this well and send him the results. This is the last scheduled sampling of this well. The property location of 404 Howell Road is located immediately adjacent to an old battery dump that was cleaned up with Superfund monies in 1984. If I can be of any further assistance please feel free to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Troy C. Dees", is written over the typed name.

Troy C. Dees, R.S.
Sanitarian
Division of Environmental Health

TD/mr

Enclosures

tdcrosby.ltr

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: Mr. L.E. Tripp
Scotts Creek Battery Site

Address: 404 Howell Rd.
New Bern NC ZIP 28560

County: Craven

Report To: Troy C. Dees

Address: Craven Co Health Dept.
PO Box 1390
New Bern NC ZIP 28560

Collected By: TC Dees

Date Collected: 9/27/89 Time: AM

Location of Sampling Point: v

Source of Water:
 Ground Both
 Surface Purchased

Source of Sample:
 House Tap
 Well Tap

Type of Sample:
 Raw Treated

Type of Treatment:
 None Lime
 Chlorinated Soda Ash
 Fluoridated Polyphosphate
 Filtered Water Softener
 Alum Other

Type of Analysis Desired:
 Regular Parameters Both
 Optional Parameters

Remarks: Scotts ck. Battery site - CERCLA

Regular Parameters		Results	Optional Parameters (List as needed)	
		units		Results mg/l
pH				
Arsenic		mg/l	<u>Heavy Metals Only</u> Arsenic Lead Cadmium Chromium Selenium Silver Barium	<0.01
Lead		mg/l		<0.005
Iron		mg/l		<0.005
Manganese		mg/l		<0.01
Copper		mg/l		<0.005
Zinc		mg/l		<0.05
Calcium		mg/l		<0.1
Magnesium		mg/l		
Hardness-CaCO ₃ (Ca, Mg)		mg/l		
Alkalinity-CaCO ₃		mg/l		
Chloride		mg/l		
Fluoride		mg/l		

Date Received _____ Date Reported 10/24/89 Reported By _____

Date Analyzed _____ Laboratory Number 18935 SEP 29 89

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

pH	Not less than 6.5 units	Calcium	No established limits
Alkalinity	No established limits	Magnesium	No established limits
Hardness	No established limits	Fluoride	4 mg/l
Iron	0.30 mg/l	Arsenic	0.05 mg/l
Manganese	0.05 mg/l	Lead	0.05 mg/l
Chloride	250 mg/l	Zinc	5.00 mg/l
		Copper	1.00 mg/l

FOR LABORATORY USE ONLY

County of Craven Department of Health

Elizabeth P. Joyner, M. P. H.
HEALTH DIRECTOR



December 29, 1988

Ms. Leigh Crosby
NC Superfund Branch
PO Box 2091
401 Overland Road
Raleigh, NC 27602-2091

Dear Ms. Crosby:

Enclosed you will find the results of an inorganic chemical analysis performed on the well water from 404 Howell Road in Craven County, North Carolina. In the past I had been asked by Mr. Frank Moore to annually collect a sample from this well and send him the results. The last scheduled sampling of this well will be sometime during 1989. 404 Howell Road is located immediately adjacent to an old battery dump that was cleaned up with Superfund monies in 1984.

If I can be of any further assistance please feel free to call me at 633-3488.

Sincerely,

Ray G. Silverthorne, Jr., R.S.
Sanitarian Specialist
Division of Environmental Health

RGS/dlr

Enclosure

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: <u>L.E. Tripp (633-0217)</u> Address: <u>404 Howell Rd.</u> <u>New Bern, N.C.</u> ZIP <u>28560</u> County: <u>CANON</u> Report To: <u>Ray D. Silvanthorne, Jr., R.S.</u> Address: <u>Canon County Health Dept.</u> <u>P.O. Box 1390</u> <u>New Bern, N.C.</u> ZIP <u>28560</u> Collected By: <u>Ray D. Silvanthorne, Jr., R.S.</u> Date Collected: <u>12/13/88</u> Time: <u>11:30</u> AM Location of Sampling Point: <u>Kitchen Sink</u>	Source of Water: <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Both <input type="checkbox"/> Surface <input type="checkbox"/> Purchased Source of Sample: <input checked="" type="checkbox"/> House Tap <input type="checkbox"/> Well Tap Type of Sample: <input checked="" type="checkbox"/> Raw <input type="checkbox"/> Treated Type of Treatment: <input checked="" type="checkbox"/> None <input type="checkbox"/> Lime <input type="checkbox"/> Chlorinated <input type="checkbox"/> Soda Ash <input type="checkbox"/> Fluoridated <input type="checkbox"/> Polyphosphate <input type="checkbox"/> Filtered <input type="checkbox"/> Water Softener <input type="checkbox"/> Alum <input type="checkbox"/> Other Type of Analysis Desired: <input checked="" type="checkbox"/> Regular Parameters <input type="checkbox"/> Both <input type="checkbox"/> Optional Parameters
--	---

Remarks: State Lab. I.D. # 566 0002 90 -F

Regular Parameters			Optional Parameters (List as needed)	
	Results			Results
pH	6.4	units		
Arsenic	< 0.01	mg/l		
Lead	< 0.03	mg/l		
Iron	6.08	mg/l		
Manganese	0.10	mg/l		
Copper	< 0.05	mg/l		
Zinc	0.06	mg/l		
Calcium	22.1	mg/l		
Magnesium	9.8	mg/l		
Hardness-CaCO ₃ (Ca, Mg)	9.5	mg/l		
Alkalinity-CaCO ₃	6.0	mg/l		
Chloride	64.8	mg/l		
Color	---	units		
Turbidity	---	NTU units		
Fluoride	< 0.10	mg/l		

Date Received _____ Date Reported 12-22-88 Reported By _____

DEC 15 1988

Date Analyzed _____ Laboratory Number _____

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

Color	15 units	Calcium	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY

**County of Craven
Department of Health**

Elizabeth P. Joyner, M. P. H.
HEALTH DIRECTOR

January 29, 1987



Mr. Terry F. Dover
Eastern Area Supervisor
Solid & Hazardous Waste Management Branch
P. O. Box 2091
Raleigh, NC 27602

Dear Mr. Dover:

Enclosed you will find the latest inorganic chemical analysis for the well serving Mr. L. E. Tripp at 404 Howell Road, Craven County, North Carolina. As you will recall, this site is adjacent to the old lead battery dump site which was cleaned up with Superfund Monies. I plan to send you another sample in 1988 and in 1989.

If I can be of any further assistance, please feel free to contact me.

Sincerely,

Ray G. Silverthorne, Jr., R.S.
Sanitarian
Division of Environmental Health

RGS:js

Enclosure



INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: L.F. Tapp (633-0217)

Address: 404 Howell Rd.
New Bern, N.C. ZIP 28566

County: CRAVEN

Report To: Ray Silverthorne, Jr.

Address: CRAVEN County Health Dept.
P.O. Box 1340
New Bern, N.C. ZIP 28560

Collected By: Ray D. Silverthorne, Jr.

Date Collected: 1/20/87 Time: 11:00 AM

Location of Sampling Point: Kitchen sink

Source of Water:
 Ground () Both
 Surface () Purchased

Source of Sample:
 House Tap
 Well Tap

Type of Sample:
 Raw () Treated

Type of Treatment:
 None () Lime
 Chlorinated () Soda Ash
 Fluoridated () Polyphosphate
 Filtered () Water Softener
 Alum () Other

Type of Analysis Desired:
 Regular Parameters () Both
 Optional Parameters

Remarks: State Laboratory # - 566000290-F

Regular Parameters		Optional Parameters (List as needed)	
	Results		Results
pH	<u>6.3</u> units		
Arsenic	<u><0.01</u> mg/l		
Lead	<u><0.03</u> mg/l		
Iron	<u>0.87</u> mg/l		
Manganese	<u>0.08</u> mg/l		
Copper	<u><0.05</u> mg/l		
Zinc	<u>0.06</u> mg/l		
Calcium	<u>26.2</u> mg/l		
Magnesium	<u>10.6</u> mg/l		
Hardness-CaCO ₃ (Ca, Mg)	<u>109</u> mg/l		
Alkalinity-CaCO ₃	<u>56</u> mg/l		
Chloride	<u>80</u> mg/l		
Color			
Turbidity			
Fluoride	<u><0.10</u> mg/l		

Date Received _____ Date Reported 1/23/87 Reported By _____

Date Analyzed _____ Laboratory Number 566000290-F

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

Color	15 units	Calcium	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY

29 July 1986

TO: File

FROM: Grover Nicholson

Grover Nicholson

RE: New Bern water supply - Rows Corner Drum Dump

The City of New Bern has four wells in Cove City. They furnish the total water supply for New Bern. No water mains for the New Bern water system extend north of the Neuse River. This was reported by Frances Waters, Lab Supervisor for the Water and Sewer Treatment Plant in New Bern (919) 633-5161.

GN/tb/0176b

* These wells are > 3 miles from ~~ENE 5 CHEM~~.
∴ pop not counted for HRS

Scotts creek Bot side.

PD 10/13/86

29 July 1986

TO: File
FROM: Grover Nicholson *Grover Nicholson*
RE: Water Supply Well near Rowes Corner Drum Dump

Kevin Sandy, Plant Manger, Fist Craven Sanitary District, reports:

- the two District well are located on the South side of NC 55 midway between the Bridgeton city limits and SR 1600.
- these two wells are about 150 feet deep.
- the District water lines run east along NC 55 to SR 1600, north along US 17 to SR 1433, north along SR 1433 to about halfway to US 17, northeast along SR 1615 to SR 1617, and all through Bridgeton.
- residents are not required to connect to the water system and many have retained their wells.
- most private wells in the area are less than seventy-five feet deep.

GN/tb/0176b

* serves 3500 people
well within 3 miles of ~~ENCORE CHEMICAL~~
Scotts Creek Bat. site
PD 10/13/86

NAME

OFFICE

PHONE NO.

GEORGE MOEIN

U.S. EPA, REG. 4

404-881-3931

BOB JOHNSON

U.S. Army COE Wilmington NC. (919)-343-4641

Daniel Small

Division of Coastal Management (919) 733-2273

BARRY L. ADAMS

NC Div. Environ Mgt, Washington, NC, 919-916644

Jim MERCER

Office of Coastal Mgmt (919) 726-7021

Richard Jasater

NC Div. ENV. Mgmt. (919) 733-7015

Terry F. Dover

NC. Solid & Haz. Waste (919) 733-2178

Lee Crosby

N.C. Solid & Haz Waste (RCRA 302) (919) 733-2178

MIKE McCLUNE

GSX SERVICES (919) 342-6106

Sue Fields

EPA Reg IV (404) 881-3931

Bill Jeter

DEM/Grandwater Section (919) 733-5083

Lee Laymon

" " " "

notification to Richard Jasater
 - clean up det
 letter of notification to clean up



North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

May 22, 1985

Ronald H. Levine, M.D., M.P.H.
State Health Director

Mr. Ray G. Silverthorne, Jr., R.S.
Division of Environmental Health
Craven County Health Department
P. O. Box 1390
New Bern, North Carolina 28560

Dear Mr. Silverthorne:

Re: Scotts Creek Battery Site

In response to your letter of May 7, 1985, concerning the continued sampling of Mr. L. E. Tripp's well, 404 Howell Road, New Bern, North Carolina, we suggest that the Health Department monitor the well for heavy metals annually for a period of five years. This will give us continuing data which may be helpful for the future.

If you have further questions, do not hesitate to contact me or Ms. Lee Crosby, CERCLA Unit Supervisor, at (919) 733-2178 in Raleigh.

Sincerely,

A handwritten signature in cursive script that reads "Terry F. Dover".

Terry F. Dover
Eastern Area Supervisor
Solid & Hazardous Waste Management Branch

TFD/pb

cc: Fred Wood
Lee Crosby

County of Craven Department of Health

Junius W. Davis, Jr., M. D., M. P. H.
COUNTY HEALTH DIRECTOR



May 7, 1985



Mr. Frank Moore
N.C. Dept. of Solid & Hazardous Waste
P.O. Box 2091
Raleigh, N. C. 27602

Dear Mr. Moore:

Enclosed you will find the results of the latest water samples from Mr. L.E. Tripp's residence located at 404 Howell Rd., New Bern, N.C. As you know, this property is immediately adjacent to the site where there was an old battery dump. Now that these old batteries have been excavated and the potential for a lead problem has been lessened, is it still necessary to continue these quarterly water samples? If it is, how much longer should these samples be collected? Please reply. I am sorry the enclosed results have taken so long. Mr. Tripp had a problem with his water pump and storage tank and the results of his bacteria sample on 3-28-85 were positive. After several attempts to chlorinate the well himself we were finally asked to help him. The enclosed bacterial report was the last in a series of four that were run from 3-28-85 through 4-30-85. The last sample taken on 4-30-85 reports the water was okay with respect to coliform organisms. If I can be of any further assistance please feel free to call.

Sincerely,

Ray G. Silverthorne, Jr., R.S.

Ray G. Silverthorne, Jr., R.S.
Sanitarian
Division of Environmental Health

Enclosures
RGS:dm

Number 7
Water Lab ID Num.
5 12"

Craven County Health Department
P.O. Box 1390
New Bern, N.C. 28560

Name of Supply <u>L. E. Tripp (633-0217)</u>		Date & Time Received <u>4/30/85 - 11:30 am</u>	
Address <u>404 Howell Rd.</u>		County <u>Craven</u>	
Date & Time Analysis Began			
Collected by <u>Ray D. Silvestri</u>	Date & Time Collected <u>4/30/85 - 11:10 am</u>		
Address of Sampling Point <u>same</u>		LAB USE ONLY Multiple Tube Method Media Positive Tubes LTB 1 2 3 4 5 BGB 1 2 3 4 5 Confirmed Test = _____ number of BGB tubes positive Completed Test = _____ number of positive BGB tubes completed positive	
Type of Supply <u>Individual Well</u>			
<input type="checkbox"/> Community Compliance <input type="checkbox"/> Non-Community Compliance <input checked="" type="checkbox"/> Individual <input type="checkbox"/> New Lines <input type="checkbox"/> Other			
Report to: Name <u>Ray Silvestri</u> Phone _____ Address <u>Env. Health</u> City _____ Zip _____		Multiple Tube Test Results <u>2.2</u> total coliforms Tech. <u>B.M.</u> per 100 ml Date <u>5/2/85</u> (MPN index)	
Fees <input checked="" type="checkbox"/> Paid <input type="checkbox"/> Charged Company Charged _____		P/L 05	

FEB 04 1985

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Terry



DATE

SUBJECT: OSC Report-Scotts Creek Battery Site, New Bern, NC

FROM:

Sue Fields, OSC *Sue Fields*

TO:

George Moein, Chief, Emergency Response and Control Section

The Scotts Creek Battery Site is located on the residential property of Mr. D.J. Robinson at 402 Howell Road, Craven County, New Bern, North Carolina 28560. The eastern edge of the site is on the bank of Scotts Creek. Mr. Robinson purchased the lot in the spring of 1983 from Fuller and Hazel Saulter, who live across the road. Mr. Robinson suspected a problem when he damaged his lawn mower on the battery casings protruding from the yard. In October of 1983, Mr. Robinson's complaint was forwarded to the North Carolina Solid and Hazardous Waste Management Branch. A site inspection was performed by state 3012 personnel in May 1984. The inspection revealed the presence of lead contaminated soil and broken battery casings on-site. The amount of contaminated material was estimated at 300 cubic yards. Reportedly, the material was placed on the site by Mrs. Hazel Saulter's father, Henry Scott, in the 1950s. A notice letter was sent November 23, 1984, to the Saulters, but they declined to take responsible party action.

In June of 1984, EPA's Emergency Response and Control Section was informed of the site. After inspecting the site, Henry Hudson assigned it to me for removal activities. A Regional Response Team (RRT) meeting was held January 3, 1985, to discuss the proposed cleanup action. The RRT concurred with proposed actions, and on-site activities commenced January 22, 1985. A total of 514 tons of contaminated material were excavated from the site and transported to the SCA landfill in Pinewood, SC, for disposal. The site was backfilled, graded and seeded. Riprap was used to prevent erosion, and a silt curtain was left in place to protect the wetlands. On-site activities were completed January 24, 1985, at an extramural cost of \$75,000.

The completed ADP site data form is attached.

Attachment

cc: Henry Hudson

file - *Boots Creek Battery*
NC D 9808 48840

Lee

**County of Craven
Department of Health**

Junius W. Davis, Jr., M. D., M. P. H.
COUNTY HEALTH DIRECTOR

January 22, 1985



Mr. Frank Moore
P. O. Box 2091
North Carolina Solid & Hazardous Waste
Division of Health Services
Raleigh, North Carolina 27602

Dear Mr. Moore:

In accordance with our continuing investigation of the water supply of Mr. L. E. Tripp at 404 Howell Road, New Bern, North Carolina, you will find enclosed our latest chemical and bacterial analysis.

If I can be of any further assistance please feel free to call.

Sincerely,

Ray G. Silverthorne, Jr.

Ray G. Silverthorne, Jr., R.S.
Sanitarian
Division of Environmental Health

RGS:js

Enclosures

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047.- 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: Mr. L. E. Tripp 6334 0217

Address: 404 Howell Rd.
New Bern, N. C. ZIP 28560

County: CRAVEN

Report To: Ray D. Silverthorne

Address: Craven Co. Health Dept.
2102 Neuse Blvd.
New Bern, N. C. ZIP 28560

Collected By: Ray D. Silverthorne

Date Collected: 12/27/84 Time: 10:00 AM
PM

Location of Sampling Point: Kitchen sink

Source of Water: <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface	<input type="checkbox"/> Both <input type="checkbox"/> Purchased
Source of Sample: <input checked="" type="checkbox"/> House Tap <input type="checkbox"/> Well Tap	
Type of Sample: <input checked="" type="checkbox"/> Raw <input type="checkbox"/> Treated	
Type of Treatment: <input checked="" type="checkbox"/> None <input type="checkbox"/> Chlorinated <input type="checkbox"/> Fluoridated <input type="checkbox"/> Filtered <input type="checkbox"/> Alum	<input type="checkbox"/> Lime <input type="checkbox"/> Soda Ash <input type="checkbox"/> Polyphosphate <input type="checkbox"/> Water Softener <input type="checkbox"/> Other
Type of Analysis Desired: <input checked="" type="checkbox"/> Regular Parameters <input type="checkbox"/> Optional Parameters	<input type="checkbox"/> Both

Remarks: STATE Lab I.D. # 566000290-F

Regular Parameters		Optional Parameters (List as needed)	
	Results		Results
pH	6.4	units	
Arsenic	<0.01	mg/l	
Lead	<0.03	mg/l	
Iron	0.65	mg/l	
Manganese	0.11	mg/l	
Copper	<0.05	mg/l	
Zinc	0.09	mg/l	
Calcium	33.9	mg/l	
Magnesium	14.3	mg/l	
Hardness-CaCO ₃ (Ca, Mg)	143	mg/l	
Alkalinity-CaCO ₃	50	mg/l	
Chloride	110	mg/l	
Color	2	units	
Turbidity	3.4	NTU units	
Fluoride	20.10	mg/l	

Date Received _____ Date Reported 1-2-85 Reported By _____

Date Analyzed _____ Laboratory Number 49896 DEC 28 84

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

Color	15 units	Calcium	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY



NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
INTER OFFICE MEMORANDUM

DATE _____

TO File

FROM Tom Down
Subject: Cleanup.

Work began on 1-21-85.
O.S.C. Sue Fields
Contractor: GSX (Tri)
Site Manager: Mike McClung
Sub-Contractor: Truder Const. Co.
Sub Contractor: Williams Trucking Co.

29 loads, 480 cu yds of waste
removed to SCA.

Project completed on 1-24-85

Command Post # 633-4688



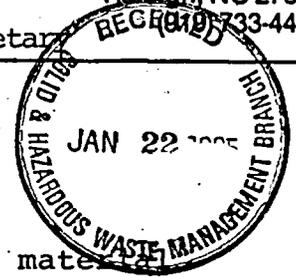
News Release

Phillip J. Kirk, Secretary
Bryant Haskins, Director, Public Information

James G. Martin, Governor
Ruby T. Hooper, Deputy Secretary

North Carolina
Department of
Human Resources
325 N. Salisbury
Raleigh, NC 27611
733-4471

Date: January 18, 1985
Contact: Lee Mittelstadt
For Release: IMMEDIATELY



NEW BERN --Removal of contaminated soil and fill material from the property of D.J. Robinson of Howell Road in New Bern will begin Monday, January 21, under the federally financed Superfund program. The Environmental Protection Agency (EPA) will supervise the clean-up with technical and analytical support from the Solid and Hazardous Waste Management Branch of the North Carolina Department of Human Resources.

The site, also known as the Scotts Creek Battery site, is contaminated with high concentrations of lead from old battery casings mixed with demolition and construction debris. High concentrations of lead have been found in water samples from the site and in soil samples along the edge of Scotts Creek and throughout Robinson's back yard.

The one active drinking water well in the neighborhood has been sampled; no contamination was found, but the well is continuing to be monitored by the Craven County Health Department. The Health Department is also conducting health monitoring of residents of the neighborhood.

The battery casings and fill material are believed to have been left on the site by the late Henry Scott, who reportedly used the battery casings as a wall to keep the creek water back during high water. Other reports indicate that additional battery casings may have been placed on the site during landscaping activities roughly

page two

10 years ago. The battery casings were discovered by Robinson while he was digging a vegetable garden shortly after he purchased the lot in April of 1983.

The clean-up will consist of excavating approximately 500 yards of fill material, backfilling the area, and reseeded for erosion control. The work will be done by TRI/GSX of Reidsville, NC, under contract with EPA. The excavated material will be send to a secure landfill in Pinewood, SC.

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980, commonly known as Superfund, is a \$1.5 billion dollar tax on oil and chemical products administered by the EPA to clean up abandoned hazardous waste sites.

###

1/11/85

Date Called In

1/11/85

Date Approved

NOTIMPOUND 1110

ID Number 1170

* FRANK MILLS
HAZTECH
5280 PANOLA IND. BLDG
DECATON GA 30035-4013

APPLICATION FOR PROVISIONAL ID NUMBER

GENERATOR - Company Name US EPA REGION 4 (Scotts Creek)
402 HOWELL RD
Location Address NEW BOWN N.C. 28570 Mailing Address 345 COUNTLAND ST
ATLANTA GA 3036

Contact Person SUE FIELDS (EPA) Phone 404 881 3931
WILLMS TRUCKING

TRANSPORTER - Company Name ✓ IEC ID No. ✓ SCD073707277
3677 WILLOW WOOD WAY LAURONSVILLE GA 30248
Mailing Address 117 CROSS COUNTY RD BEX 70427 CHARLSTON HTS S
404 925 3697

Contact Person ✓ CARLOS RIANO Phone 803 767 3333
STEVE EVANS

DISPOSER - Company Name SCA ID No. SCD070375985 29418

Location Address _____

Mailing Address _____

Contact Person _____ Phone _____

THIS HAZARDOUS MATERIAL IS:

- Flammable
- Corrosive
- Reactive
- Toxic

NUMBER Gallons _____ or Pounds 178,820 To Be Disposed

NAME OF CHEMICAL LEAD CONT. SOIL

EXPLANATION OLD BATTERY SITE
(PICK UP STARTS 21ST OF MONTH)

SCOTTS CREEK BATTERY SITE, NEW BERN, NORTH CAROLINA

Physical location - The site is located on the residential property of Mr. D.J. Robinson at 402 Howell Road in New Bern, N.C. 28560

Lat. 35° 05' 20"
Long. 77° 02' 37"

General character of site - The site is located in a residential area on a lot which is bordered by Scotts Creek to the east. Roughly the eastern third of the lot reportedly received 2-3 feet of fill primarily consisting of old batteries mixed with demolition and construction debris. Over one half of the filled area floods during high water.

Surrounding Areas - This residential area is located south of New Bern, across the Trent River. In the past residents utilized private drinking water wells and septic systems. Currently, municipal water is available and is used by most residents in the neighborhood. However, the home immediately south of the site and 39 feet from the fill material utilizes a shallow well (reportedly thirty feet or less) for drinking water purposes. The well is uncontaminated to date.

Quantity and Types of Substances Present: Approximately 470 cubic yards of old batteries mixed with demolition and construction debris are estimated to be present at the site. The fill material exhibits high concentrations of lead.

Threat of exposure to public or the Environment:

1. Threat to Scotts Creek and the groundwater due to flooding of the filled area which promotes leaching of the contaminants and migration off site.
2. Threat of direct contact and dust inhalation for resident and neighbors.

Evidence of Extent of Release: High concentrations of lead were found in a water sample from the site and in soil samples which were taken along the edge of Scotts Creek and throughout Mr. Robinson's back yard.

1. *

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2. *

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3. *

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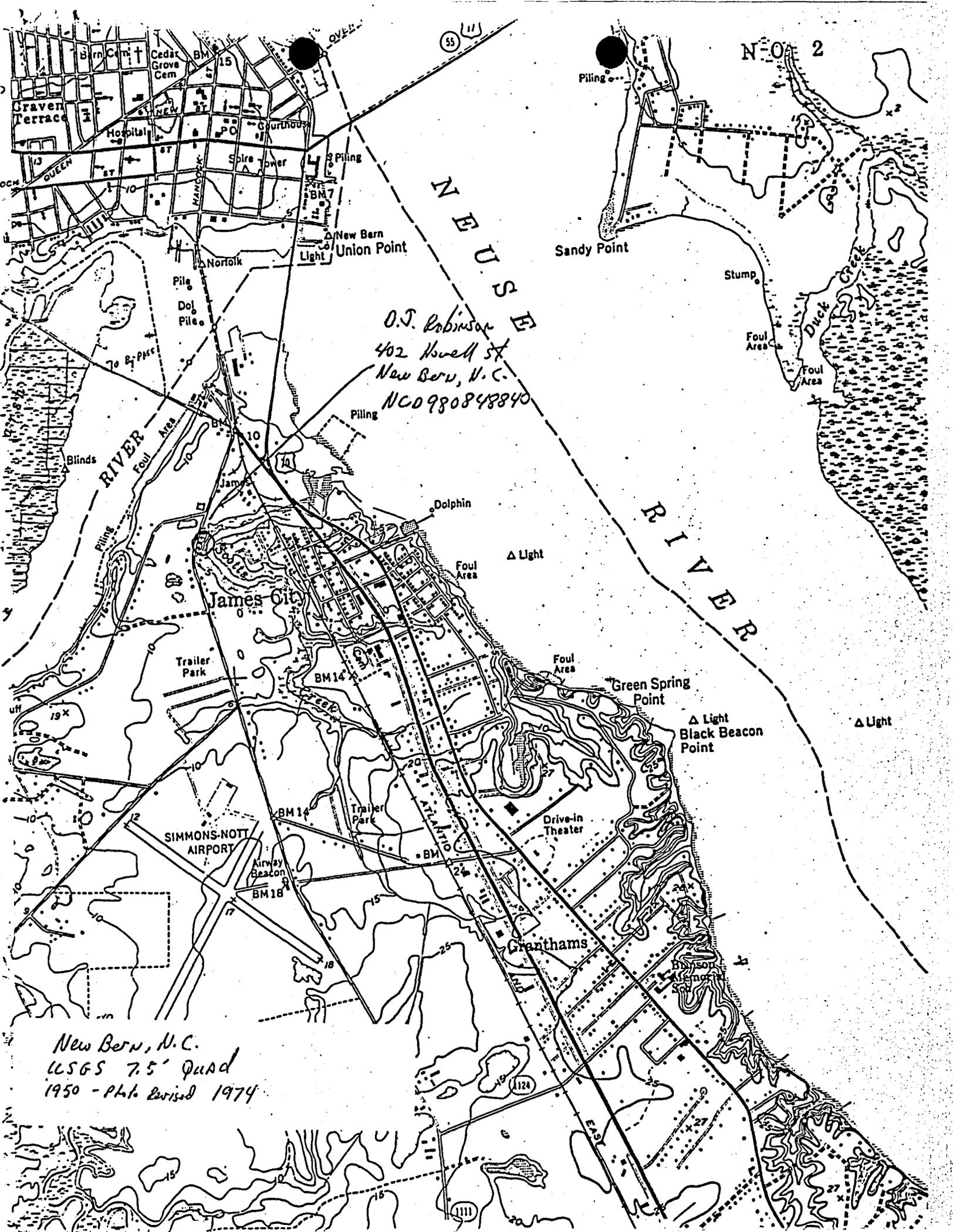
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Previous Actions to Abate Threat: In October 1983, Terry Dover of the North Carolina Department of Human Resources wrote to Mr. Robinson advising him to restrict access to the fill area and apply lime to the fill to keep the pH up.

Objectives of the project: To remove the lead contaminated fill material from the site and backfill the excavated area.



N-O 2

O.J. Robinson
402 Howell St
New Bern, N.C.
NC0980848840

New Bern, N.C.
USGS 7.5' Quad
1950 - Photo Revised 1974

trip map
Scale
11.
-84

Scotts Creek Gully Site
402 Howell Rd.
New Ben, N.C. 28560
NCD 980848840

House
Sawter
401 Howell Rd.
City WATER

HOWELL ROAD

House
Tripp
404 Howell Rd.
WELL WATER

WELL
(IN USE)

TRAILER
Robinson
402 Howell Rd.
CITY WATER

(NOT USED) WELL
D
D

House
Gaskin?
400 Howell Rd.
CITY WATER

Bldg.

Filled

Low Area

A
Grasses Casings
Fill Area
B

TREE

C

Trailer

Scotts Creek

to Neuse River
→

2'
Fill
2-3'

39'

73'

39'

45'

2'

Thursday
3 January 1985
1:00 - 2:30 pm

NAME

OFFICE

PHONE NO.

GEORGE MOEIN

U.S. EPA, REG. 4

404-881-3931

BOB JOHNSON

U.S. Army COE Wilmington NC (919)-343-4641

Daniel Small

Division of Coastal Management (919) 733-2293

BARRY L. ADAMS

NC Div. Environ. Mgt, Washington, NC, 919-916699

Jim MERCER

Office of Coastal Mgmt (919) 726-7021

Richard Lavater

NC Div. ENV. Mgmt. (919) 733-7015

Terry F. Dover

N.C. Solid & Haz. Waste (919) 733-2178

Lee Crosby

N.C. Solid & Haz Waste (RCRA 3012) (919) 733-2178

Mike McCLure

GSX SERVICES (919) 342-6106

Sue Fields

EPA Reg IV (404) 881-3931

Bill Jeter

DEM/Groundwater Section (919) 733-5083

Lee Layman

" " " "



NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
INTER OFFICE MEMORANDUM

DATE 12-3-84

TO File

FROM T.D.

Sue Field's requested company
to contact for fill material
at the Scotts Creek site.

Fred Wood provided info
on Trader Const. Co. New Bern
919 633-2424 Bill Taylor
MANAGER



NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
INTER OFFICE MEMORANDUM

DATE 12-3-84

TO File

FROM Terry Dover

Notified Sue Fields EPA of
C.A.M.A. requirements on COASTAL
waters. Suggested she contact

Jim Mercer
Div of Marine Fisheries
Morehead City 919 726-7021
Also

Joe Squires
Craun Co. Inspts. Dept
919 638 5120
also

Brad Nickelson
Environmental Functions Branch
EPA Region IV
404 881-7901



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365



NOV 23 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4AW-ER

Mr. and Mrs. Fuller Saulter
401 Howell Road
New Bern, N.C. 28560

Re: Scotts Creek Battery Site
402 Howell Drive
New Bern, N.C. 28560

Dear Mr. and Mrs. Saulter:

The United States Environmental Protection Agency (EPA) is considering spending public funds to investigate and take corrective action for the control of releases of hazardous substances at the above referenced site. This action will be taken pursuant to Section 104 and other provisions of the Comprehensive Environmental, Response, Compensation, and Liability Act of 1980 42 U.S.C. §9601 et seq (CERCLA), unless EPA determines that such action will be done properly by a responsible party. Under Section 107(a) of CERCLA and other laws, responsible parties may be liable for any costs incurred by the government in taking corrective actions at the site. Such costs may include, but may not be limited to, expenditures for investigation, planning, cleanup of the site, and enforcement. By this letter, therefore, EPA intends to both notify you of your potential liability with regard to this matter and to encourage you, as a potentially responsible party, to undertake voluntary cleanup activities.

Based on records of the North Carolina Department of Human Resources, EPA has information indicating that you may be a responsible party. More specifically, the Agency has reason to believe that you were a former owner/operator of the site at the time of disposal of hazardous substances at the site.

EPA has determined that a release and threatened release of hazardous substances (as defined by Section 101(14) of CERCLA) has occurred at the above referenced site. At the present time, lead has been released into the environment and there is a continuing threat of release of this hazardous substance. As a result of such release and threatened release, Scotts Creek and the residential community may be adversely affected. The Agency will, upon request, discuss this information with you and will provide additional information on the nature and extent of the release. Instructions on how to contact the Agency's representative, Ms. Giezelle Bennett, are set out below. We urge you to contact Ms. Bennett as soon as possible.

This letter is to notify you that EPA is currently planning to conduct the following removal actions at the Scotts Creek Battery site:

1. Sample and analyze the fill area of the site and Scotts Creek to determine the extent of contamination and the amount of material to be removed.
2. Remove all contaminated soils and transport and dispose of such soils at an approved hazardous waste facility.

Under Section 107(a)(4)(A) and (B) of CERCLA, where the Agency uses public funds to effectuate the cleanup of the hazardous substance, you may be liable for all costs associated with the removal or remedial action and all other necessary costs incurred in cleaning up the site. Again, you should contact the Agency's representative if you desire more information.

You should notify EPA in writing within five (5) calendar days from the receipt of this letter of your willingness to conduct or participate in the above-mentioned actions. Otherwise, EPA will assume that you decline any involvement, and we will proceed with the actions as described above.

Your letter should indicate the appropriate name, address, and telephone number for further contact with you and include a statement of your desire to perform or participate in the removal actions. Where you are already involved in discussions with state or local authorities, engaged in voluntary action or involved in a lawsuit regarding this site, you should continue that activity and report the status of those discussions or that action in your letter. Please provide a copy of your letter to any other parties involved in those discussions.

Your letter should be sent to:

Ms. Giezelle S. Bennett
Waste Management Division
Investigation and Compliance Section
U. S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365

If you need further information, Ms. Bennett can also be reached by telephone at 404/881-2234.

In addition, EPA is seeking to obtain certain information from you. Under the provisions of Section 104 of CERCLA, 42 U.S.C. §9604, and Section 3007 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §6927, as amended by the Solid Waste Disposal Act Amendments of 1980, the Administrator of

the Environmental Protection Agency has the authority to require any person who generates, stores, treats, transports, disposes of, or otherwise handles or has handled hazardous wastes and substances to furnish information related to such wastes and substances. Pursuant to these statutory provisions, you are hereby requested to provide the following information:

1. A description of the waste which was disposed of at the site.
2. For the above waste, an estimate of the total volume that was disposed of at the site.
3. Provide a chronological history of the ownership of the site and disposal activities at the site.
4. Identify (name and address) any other party who (i) transported any hazardous waste to the site; (ii) arranged with a transporter for disposal of any hazardous substance owned or possessed by such party, or any other party, at the site; or (iii) owned any interest in the property on which the site is situated.

For the above information, please describe the types of records (if any) that you maintained of the disposal activities at the Scotts Creek Battery site including the date of the records, the author of the records, the current location of the records, the current custodian, and all efforts that were taken to identify these records. Pursuant to Section 103 of CERCLA, it is unlawful for any person knowingly to destroy, mutilate, erase, dispose of, conceal, or otherwise render unavailable or unreadable or falsify any records.

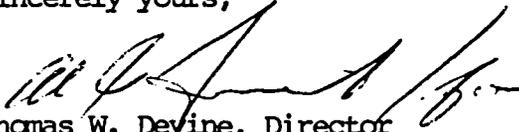
In addition to the above information, if you are privately insured against releases of hazardous wastes and substances as a result of the handling of such materials, please inform us of the existence of such insurance and provide us with copies of all insurance policies in effect during the period of activity in question.

Your answers to these questions must be sent to EPA (at the above address) within five (5) calendar days of your receipt of this letter. In addition, under Section 3008 of RCRA, 42 U.S.C §6928, failure to comply with this request may result in an order requiring compliance or a civil action for appropriate relief. Section 3008 provides for civil penalties. Failure to comply with this request under Section 104 of CERCLA may result in a civil enforcement action being brought against you by EPA.

The factual and legal discussion contained in this letter are intended solely for notification and edification purposes. They are not intended to, do not, and may not be relied upon as a final Agency position on any matter set forth herein.

Due to the seriousness of the problem at this site and the attendant legal ramifications, the Agency strongly encourages you to submit a written response within the time frame specified herein.

Sincerely yours,



Thomas W. Devine, Director
Waste Management Division

cc: O.W. Strickland
N.C. Solid and Hazardous Waste

Mr. D.J. Robinson

Follow-up Trip Summary
For
Scotts Creek Battery
NC D980848840

On October 4, 1984, Henry Hudson from the EPA, Region IV, Emergency Operations Section, and myself, made a follow-up site inspection of the battery disposal area in the backyard of Mr. Robinson, 402 Howell Street, New Bern, North Carolina.

Henry took photographs of the area and interviewed Mr. Robinson. Two soil and one water sample was taken along the creek's edge to try and document the lead contamination possibly affecting the creek. For a complete sample description and location, see pages 98, 97 and 98 of my field book.

The samples were submitted to the Health Services Lab, Bath Building, on October 5, 1984. Results should be forwarded to Henry as soon as they are available.

Henry will try to get the area cleaned up.

10/5/84
Frank E. Moore
Geologist, 3012

FEM

#1

DL

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-00000-1001-X Field Sample Number 001468
 Name of Site Scotts Creek Battery Site Location New Bern
 Collected By F. Moore ID# 027 Date Collected 10-4-84 Time 11:15 A.M.

Type of Sample:

Environmental
 Groundwater
 Surface Water
 Soil
 Other

Concentrate
 Solid
 Liquid
 Sludge
 Other

Comments
Composite soil from 4' trench
6" deep
along creek bank (#1)

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Arsenic		<input type="checkbox"/> Arsenic		<input type="checkbox"/> Chloride	
<input type="checkbox"/> Barium		<input type="checkbox"/> Barium		<input type="checkbox"/> Conductivity	
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.5</u>	<input type="checkbox"/> Copper	
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u>6.9</u>	<input type="checkbox"/> Fluoride	
<input checked="" type="checkbox"/> Lead	<u>30.0</u>	<input checked="" type="checkbox"/> Lead	<u>13,700</u>	<input type="checkbox"/> Iron	
<input type="checkbox"/> Mercury		<input type="checkbox"/> Mercury		<input type="checkbox"/> Manganese	
<input type="checkbox"/> Selenium		<input type="checkbox"/> Selenium		<input type="checkbox"/> Nitrate	
<input type="checkbox"/> Silver		<input type="checkbox"/> Silver		<input type="checkbox"/> pH	
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>135</u>	<input type="checkbox"/> Sulfates	
<input checked="" type="checkbox"/> Zn	<u>2.24</u>	<input checked="" type="checkbox"/> Zn	<u>380</u>	<input type="checkbox"/> TDS	
				<input type="checkbox"/> Zinc	
				<input type="checkbox"/> TOC	

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Endrin		<input type="checkbox"/> Toxaphene		<input type="checkbox"/> PCB's	
<input type="checkbox"/> Lindane		<input type="checkbox"/> 2,4-D		<input type="checkbox"/> Petroleum	
<input type="checkbox"/> Methoxychlor		<input type="checkbox"/> 2,4,5-TP(Silvex)		<input type="checkbox"/> EDB	
				<input type="checkbox"/> TOX	

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l
<input type="checkbox"/> (MF) Coliform Colonies/100mls	<input type="checkbox"/> Gross Alpha	
<input type="checkbox"/> (MPN) Coliform Colonies/100mls	<input type="checkbox"/> Gross Beta	

Date Received _____ Date Reported 17 Oct 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 43998 OCT 584

*sent to
 Mr. Fields*

#2

J

C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-00000 1001-X Field Sample Number 001469
 Name of Site Scotts Creek Battery Site Location New Barn
 Collected By F. Moore ID# 027 Date Collected 10-4-84 Time 11:30 A.M.

Type of Sample:

Environmental	Concentrate	Comments <u>Composite soil from 4' trench</u> <u>at 6" deep</u> <u>along creek bank. (P2)</u>
<input type="checkbox"/> Groundwater	<input type="checkbox"/> Solid	
<input type="checkbox"/> Surface Water	<input type="checkbox"/> Liquid	
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sludge	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	

INORGANIC CHEMISTRY

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Arsenic		<input type="checkbox"/> Arsenic		<input type="checkbox"/> Chloride	
<input type="checkbox"/> Barium		<input type="checkbox"/> Barium		<input type="checkbox"/> Conductivity	
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.2</u>	<input type="checkbox"/> Copper	
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u>2.7</u>	<input type="checkbox"/> Fluoride	
<input checked="" type="checkbox"/> Lead	<u><0.1</u>	<input checked="" type="checkbox"/> Lead	<u>930</u>	<input type="checkbox"/> Iron	
<input type="checkbox"/> Mercury		<input type="checkbox"/> Mercury		<input type="checkbox"/> Manganese	
<input type="checkbox"/> Selenium		<input type="checkbox"/> Selenium		<input type="checkbox"/> Nitrate	
<input type="checkbox"/> Silver		<input type="checkbox"/> Silver		<input type="checkbox"/> pH	
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>9.3</u>	<input type="checkbox"/> Sulfates	
<input checked="" type="checkbox"/> Zn	<u>0.38</u>	<input checked="" type="checkbox"/> Zn	<u>88</u>	<input type="checkbox"/> TDS	
				<input type="checkbox"/> Zinc	
				<input type="checkbox"/> TOC	

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Endrin		<input type="checkbox"/> Toxaphene		<input type="checkbox"/> PCB's	
<input type="checkbox"/> Lindane		<input type="checkbox"/> 2,4-D		<input type="checkbox"/> Petroleum	
<input type="checkbox"/> Methoxychlor		<input type="checkbox"/> 2,4,5-TP(Silvex)		<input type="checkbox"/> EDB	
				<input type="checkbox"/> TOX	

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l
<input type="checkbox"/> (MF) Coliform Colonies/100mls	<input type="checkbox"/> Gross Alpha	
<input type="checkbox"/> (MPN) Coliform Colonies/100mls	<input type="checkbox"/> Gross Beta	

Date Received _____ Date Reported _____
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 43999 OCT 5 84

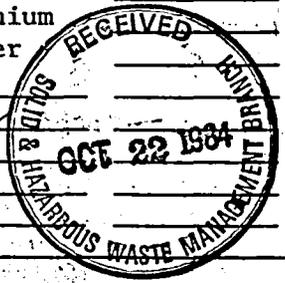
C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
STATE LABORATORY OF PUBLIC HEALTH
P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-00000 1001-X Field Sample Number 001470
Name of Site Scotts Creek Bakery Site Location New Beer, N.C.
Collected By F. Moore ID# 027 Date Collected 10-4-84 Time 11:45 A.M.
Type of Sample: _____

Environmental Concentrate Comments
Groundwater _____ Solid _____
 Surface Water _____ Liquid _____ Surface water sample from
Soil _____ Sludge _____ trench int #1
Other _____ Other _____ PREPARED < 2 pH

INORGANIC CHEMISTRY Concentrated NO3

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Arsenic	_____	— Arsenic	_____	— Chloride	_____
— Barium	_____	— Barium	_____	— Conductivity	_____
<input checked="" type="checkbox"/> Cadmium	_____	<input checked="" type="checkbox"/> Cadmium	<u>0.006</u>	— Copper	<u>2.83</u>
<input checked="" type="checkbox"/> Chromium	_____	<input checked="" type="checkbox"/> Chromium	<u>0.01</u>	— Fluoride	_____
<input checked="" type="checkbox"/> Lead	_____	<input checked="" type="checkbox"/> Lead	<u>12.75</u>	— Iron	<u>26.50</u>
— Mercury	_____	— Mercury	_____	— Manganese	_____
— Selenium	_____	— Selenium	_____	— Nitrate	_____
— Silver	_____	— Silver	_____	— pH	_____
		<input checked="" type="checkbox"/> Cu	<u>4.30</u>	— Sulfates	_____
		<input checked="" type="checkbox"/> Zn	_____	— TDS	_____
				— Zinc	_____
				— TOC	_____



INORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Endrin	_____	— Toxaphene	_____	— PCB's	_____
— Lindane	_____	— 2,4-D	_____	— Petroleum	_____
— Methoxychlor	_____	— 2,4,5-TP (Silvex)	_____	— EDB	_____
— Heptachlor	_____			— TOX	_____

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Results	Parameter	Results PCi/l
— (MF) Coliform Colonies/100mls	_____	— Gross Alpha	_____
— (MPN) Coliform Colonies/100mls	_____	— Gross Beta	_____

Date Received _____ Date Reported 10-19-84
Date Extracted _____ Date Analyzed _____
Reported By _____ Lab Number 44000 OCT 5 84

44000 OCT 5 84

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICE
 SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

Chain of Custody Record

Hazardous Waste Materials

Location of Sampling: Generator Transporter Treatment Facility
Storage Facility Disposal Facility Landfill
 Other: 3012 Site

Company's Name Scotts Creek Battery Telephone() _____

Address 402 Howell St. - New Bern, N.C.

Collector's Name Frank E. Moore Telephone (919) 733-2178
 signature

Date Sampled 10-4-84 Time Sampled 11:15 - 11:45

Type of Process Generating Waste Battery Dump

Field Information
#3/1470 Preserved w/ Concentrated HNO₃ +2 pH

Field Sample No. (1) 001468 (2) 001469 (3) 001470

Chain of Possession:

- | | | | |
|----|------------------------------------|------------------------------|---|
| 1. | <u>Frank E. Moore</u>
signature | <u>Geologist II</u>
title | <u>10-4-84 / 10-5-84</u>
inclusive dates |
| 2. | <u>Ben Wilson</u>
signature | <u>chemist</u>
title | <u>Oct. 5, 1984</u>
inclusive dates |
| 3. | _____
signature | _____
title | _____
inclusive dates |

Results reported

 signature title date

Instructions: Complete all applicable information including signatures, and submit with analysis request forms.

10-4-84

F. Moore

Henry Hudson

EPA

Follow-up 5th

Scotts Creek

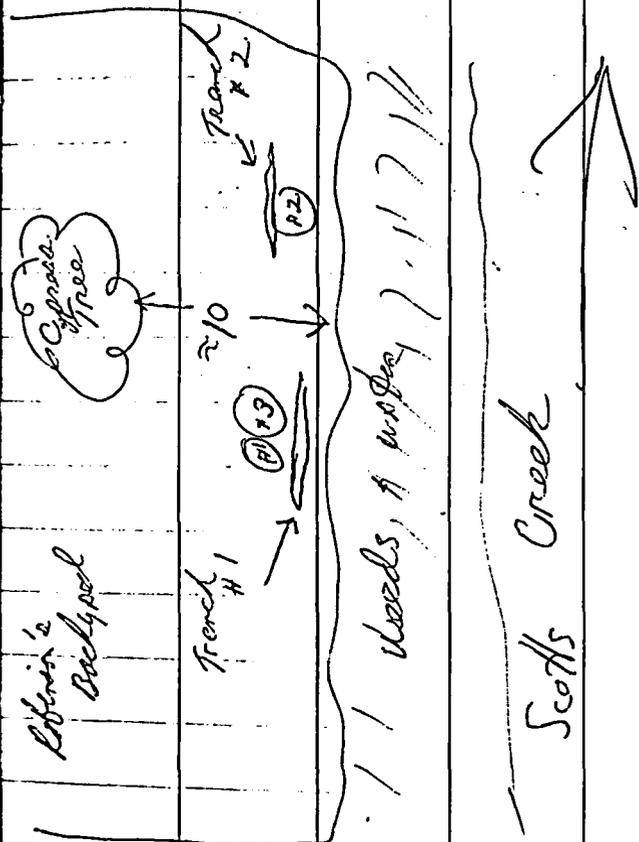
Battery Ditch

New Bern, N.C.

Trip to sample for metals (pb) as close to the water and the water to try and show an impact to the creek -

The fill area and creek are really mixed daily. The dump is in the creek.

(#1) composite from 4-5' shallow shovel dug trench and sampled



with a spoon.
 Analyze for metals -
 about 6" below surface
 Obvious balled casing
 pieces.

(#2) same - see above
 for description

(#3) standing water in
 trench #1

Preserved < 2 pH w/
 concentrated HNO_3
 (\approx 2.5 ml, 50 drops, 1.8 pH)

Harry took polaroid &
 35 mm photo of area

Forward results ASDR
 Delivered 6 Feb 9:30 10-5-84
 Jern

Lab Number **Nº 3108**

Currituck County Health Department Laboratory
2102 Neuse Blvd.
New Bern, N.C. 28560

Lab Certification Number
37-5-12

773

Name of Supply

MR. L. E. TRIPP — 633-0217

Date & Time Received

12/27/84 — 11:34 AM

Sample Site Address

404 Howell Rd. - New Bern, N.C.

County

CRAVEN

Date & Time Analysis Began

12/27/84 — 4:30 PM

Collected by

Ray Silverthorn

Date & Time Collected

12/27/84 — 10:05 AM

Type of Supply

- Community Compliance
 Non-Community Compliance
 Individual
 New Lines
 Other _____

Source

- Ground
 Surface
 Chlorinated
 Unchlor.

Treated

Water System I.D. Number

Send Report To:

Name *Ray Silverthorn* Phone _____

Address *ENV. HEALTH*

City _____ Zip _____

Fees FREE

Company Charged _____

- Paid
 Charged

P/L 01 Rev. 11/84 Additional fee for tube testing

COMPLIANCE SAMPLE REPORT

Membrane Filter Method

Number typical colonies _____ % verified pos _____

Number atypical colonies _____ % verified pos _____

Verified Results:

_____ total coliform(s) per 100 ml. sample

- TNTC (> 200 total colonies)
 Confluent growth

Repeat recommended by MPN

NON-COMPLIANCE SAMPLE REPORT

Membrane Filter Method

0 Coliform(s) per 100 ml. sample

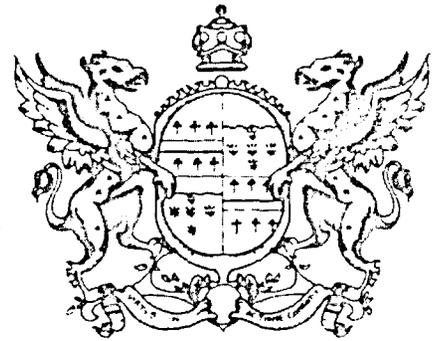
Confluent growth, repeat recommended

Tech *Ap* Date Reported *12/28/84*

Bag leaked

**County of Craven
Department of Health**

Junius W. Davis, Jr., M. D., M. P. H.
COUNTY HEALTH DIRECTOR



August 28, 1984

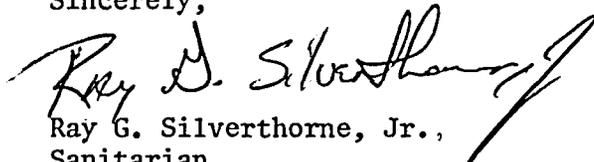
Mr. Frank Moore
North Carolina Hazardous & Solid Waste
Division of Health Services
P. O. Box 2091
Raleigh, North Carolina 27602

Dear Mr. Moore:

In continuing my quarterly samples of Mr. L. E. Tripp of 404 Howell Road, New Bern, North Carolina, I am enclosing the results of the latest bacteriological and chemical water samples collected on August 20, 1984 at the previously mentioned address.

If I can be of any further assistance, please feel free to call.

Sincerely,


Ray G. Silverthorne, Jr.,
Sanitarian
Division of Environmental Health

RGS:js

Enclosures

Lab Cert # 37-5-12

Lab Number

Nº 2805

Laboratory Section
Craven County Health Department
P. O. Box 1390
New Bern, N.C. 28560

Water System I.D. Number

491

Name of Supply

L.E. Tripp

633-0217

Date & Time Received

8/20/84 - 3:10 p.m.

Sample Address

404 Howell Rd. - New Bern

County

Craven

Date & Time Analysis Began

8-20-84 4:00

Collected by

Ray S. Silverthorn

Date & Time Collected

8/20/84 - 3:00 pm

Type of Supply

Community Compliance

Non-Community Compliance

Individual

New Lines

Other _____

Source

Ground

Surface

Chlorinated

Unchlorinated

Send Report To:

Name

Phone

Address

Ray Silverthorn
ENV. Health

City

Zip

Fees

FREE

Company Charged

Paid

Charged

LABORATORY USE ONLY

MEMBRANE FILTER METHOD

Number typical colonies _____ % of these verified pos _____

Number atypical colonies _____ % of these verified pos _____

TNTC
(> 200 total colonies)

Confluent Growth

Sample Too Turbid

CONFIRMED RESULTS

_____ Total coliform per 100 ml.

Report by RS

Coliform not Found ✓

Date 8.21.94

Additional Information

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: L. E. Tripp 633-0217

Address: 404 Howell Rd.
New Bean, N. C. ZIP 28566

County: CRAWFORD

Report To: Ray D. Silverthorn

Address: CRAWFORD Co. Health Dept.
2102 Newse Blvd.
New Bean, N. C. ZIP 28560

Collected By: Ray D. Silverthorn

Date Collected: 8/20/84 Time: 3:00 PM

Location of Sampling Point: Kitchen Sink

Source of Water:
 Ground Both
 Surface Purchased

Source of Sample:
 House Tap
 Well Tap

Type of Sample:
 Raw Treated

Type of Treatment:
 None Lime
 Chlorinated Soda Ash
 Fluoridated Polyphosphate
 Filtered Water Softener
 Alum Other

Type of Analysis Desired:
 Regular Parameters Both
 Optional Parameters

Remarks: State Lab # 566000290-F

Regular Parameters			Optional Parameters (List as needed)	
	Results		Results	
pH	<u>6.3</u>	units		
Arsenic	<u><0.01</u>	mg/l		
Lead	<u>2.03</u>	mg/l		
Iron	<u>0.90</u>	mg/l		
Manganese	<u>0.11</u>	mg/l		
Copper	<u><0.05</u>	mg/l		
Zinc	<u>0.08</u>	mg/l		
Calcium	<u>35.4</u>	mg/l		
Magnesium	<u>14.4</u>	mg/l		
Hardness-CaCO ₃ (Ca, Mg)	<u>147</u>	mg/l		
Alkalinity-CaCO ₃	<u>46</u>	mg/l		
Chloride	<u>115</u>	mg/l		
Color	<u>8.5</u>	units		
Turbidity	<u>4.8</u>	NTU units		
Fluoride	<u><0.10</u>	mg/l		

Date Received _____ Date Reported 8/24/84 Reported By _____

Date Analyzed _____ Laboratory Number 40512 AUG 21 84

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

Color	15 units	Calcium	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY



DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

Frank

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

SI file

June 22, 1984

Mr. Walton Jones
EPA 3012 Regional Project Officer
Air and Hazardous Materials Division
U.S. Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, Georgia 30365

RE: Site Investigation Transmittal
Letter for Scotts Creek Battery Site

Dear Wally:

Submitted herewith is the Site Investigation Report for Scotts Creek Battery Site, New Bern, N. C., NCD980848840.

This site was recommended for a high priority for site inspection due to the potential lead contamination that might be affecting the site resident and his neighbors. The site inspection was successful in outlining the area and degree of lead contamination on site. The inspection also documented that at the present time, as long as Mr. Robinson controls access to the contaminated area and the Health Department monitors the residence, there doesn't appear to be any immediate threat to public health.

The question that remains is who and when is this man's backyard going to be cleaned-up.

Based on our review of the available data we have concluded that this site does contain high levels of lead in the soil and will need to be cleaned-up in the future in order for this area to be safely utilized as a residential lot.

If you have questions about this report please contact me.

Sincerely,

Frank E. Moore

Frank E. Moore, Geologist

Solid & Hazardous Waste Management Branch
Environmental Health Section

FEM:jj

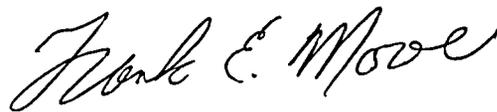
Site Inspection Report

for

Scotts Creek Battery Site
402 Howell Road
New Bern, N. C. 28560
NCD980848840

by

Frank E. Moore
Geologist, 3012

A handwritten signature in cursive script that reads "Frank E. Moore".

June 1984

Summary

Scotts Creek Battery Site, 402 Howell Road, New Bern, N. C., is a residential lot on which old battery casings were used as part of the fill material in a low area along the edge of Scotts Creek. In the spring of 1983, Mr. D. J. Robinson retired in New Jersey and moved to New Bern, where he purchased this lot and trailer from Fuller and Hazel Saulter, from across the road.

Mr. Robinson first suspected a problem in the fall of 1983 when he began clearing the weeds on the lot and discovered the battery casings.

In October of 1983 Mr. Robinson's complaint was forwarded to the Solid & Hazardous Waste Management Branch for assistance. After being placed on the ERRIS List a preliminary assessment was initiated that indicated higher than normal lead levels existed on site.

A site inspection was done by the 3012 group (Chris Bird - Frank Moore) in May 1984. A total of eight (8) soil samples were taken during the site inspection that confirmed the presence of lead in the soil on site. The 12"-15" soil sample from station "A" was the highest, with a total of 7800 ppm and an extraction of 11 ppm, lead.

A clean-up of the fill area, estimated to be 60' x 70' x 2', will need to be done at sometime in the future in order for this lot to be utilized as a residential lot without the threat of lead contamination. The residence and a neighbor's drinking water well (the only being used in the immediate area) is being monitored for lead by the Craven County Health Department in New Bern.

Mr. Robinson, Mr. Tripp and the Gaskins are all elderly people with no children living in the area. No small children are reportedly in the immediate neighborhood.

Location & Site Layout

The location for this site is as follows:

Scotts Creek Battery Site
D. J. Robinson
402 Howell Road
New Bern, N. C. 28560

Craven County

Lat 35° 05' 20"
Long 77° 02' 37"

The site is south of New Bern, across the Trent River. Howell Road intersects at the junction of U. S. 70 and the "new" U.S. 70 By-Pass.

Mr. Robinson lives on the east side of Howell Road. (Map attached) The disposal area is the back 1/3 of the lot at 402 Howell Road, between the trailer and the creek.

Howell Road is a paved road that runs generally north-south with older, modest homes along both sides of the highway. At one time, everyone had their own well and septic system. At the present, there is a public water line that parallels Howell Road that most everyone now receives their water from. The neighborhood is still on individual septic systems. Mr. Robinson, 402 Howell, still has an operational well in his front yard, but it is not hooked up, he is on the public water supply. The only resident in the immediate area of the site that is still on well water is Mr. Lenwood Tripp, 404 Howell, who lives next door to the site. Mr. Tripp's well measured some 39' from the closest edge of the fill area. The well is reportedly a very shallow one, thirty feet or less. The well is monitored quarterly by the Health Department and so far has not shown any contamination. As was mentioned earlier, Scotts Creek runs along the back of these residential lots and appears to be a large creek. The creek is affected by tidal cycles and did appear to be running sluggish at the time of the site inspection.

The site is estimated to be 60' x 70' x 2', as was measured during the site inspection.

Ownership and Site Use

Although there are some differences in the events surrounding the battery casings disposal, I have put together the following from interviews with Mr. Robinson, Mr. Tripp and Mrs. Hazel Saulter.

First, Mrs. Hazel Saulter said that her father, Henry Scott, hauled the battery casings there to use as a wall to keep the creek water back during high water, when he lived there. Several pick-up truck loads is what Mrs. Saulter could remember. She also told me that her father has been dead for about 28 years.

Then according to a long time neighbor, Mr. Lenwood Tripp, 404 Howell Road, the Saulter's had some work done on the lot about 10 years ago. This work involved pushing an old shack and debris, that was on site, into the low area along the creek and covering the area with some more dirt. It was possible that additional batteries were disposed of at this time from the Saulter's now closed junkyard which was purchased and closed when the U.S. 70 by-pass was built over the junkyard. (Same source of batteries used by Henry Scott)

Mr. D. J. Robinson purchased the property and trailer in 1983 from Fuller and Hazel Saulter, who live across the road from the site.

Trip Summary

The morning of May 2, 1984, Chris Bird and myself made the site inspection and took eight (8) soil samples from the site.

The samples were taken with soil augers and spoons. Battery casing pieces were encountered in each of the three (3) sampling stations. At station "C" the pieces of battery casings were so large and numerous that we were not able to auger past the 12"-15" level. Station "A" also had 2"-3" pieces of limestone aggregate mixed with the fill material that made sampling difficult. It was believed that undisturbed soil was encountered at stations "A" and "B" establishing the estimated depth of fill material at 2"-3" deep. The site was measured with a tape measure and photos were taken of the site and of the battery casing pieces on site.

Mr. Robinson and Mr. Tripp were on site during the site inspection and were interviewed, also at that time.

Persons contacted concerning the site:

Mr. Daniel J. Robinson, Site Resident
402 Howell Road
New Bern, N. C. 28560
(919) 637-3444

Fuller & Hazel Saulter, previous owners
401 Howell Road
(919) 637-2716

Mr. Lenwood E. Tripp, site neighbor with water well
404 Howell Road
(919) 633-0217

C. H. Hamm, Jr., responsible for area health monitoring
Craven County Health Department
(919) 633-3488

Fred Wood, WMS, received initial complaint
Terry Dover, Area Supervisor
O. W. Strickland, Branch Head
Frank Moore, Geologist - 3012
Chris Bird, Engineer - 3012
N. C. Solid and Hazardous Waste Management Branch
Raleigh, N. C. (919) 733-2178

Environmental Setting

The area surrounding the site is relatively low with Scotts Creek, Trent River and the Neuse River all within one mile of the site. The creek and rivers are influenced by ocean tides.

Due to the fact that the site involves fill material, the soil information would be in general. This area is in the Coastal Plains of N. C. and is characterized by surficial deposits of light colored, fine to coarse grained sheet and lenticular sands and interbedded clays. The Castle Hayne limestone formation underlies the area at depth with some surface exposures in the vicinity.

The land use in the area is residential with some nearby commercial establishments. The area is only moderately populated in the immediate area around the site but there are several large neighborhoods within one mile of the site. No children in the immediate neighborhood.

As mentioned previously, the area is served by a public water supply and that only Mr. Tripp was reportedly still using his well water.

Laboratory Data Summary

The soil samples did confirm the presence of higher than normal lead levels in the filled area. The background sample taken in Mr. Robinson's front yard, Station "D", was at or below detectable limits used in the lab, ≤ 4.9 ppm total and ≤ 0.1 ppm extractable lead values.

The highest lead level was in the 12"-15" sample from Station "A", 7800 ppm total and 11.0 ppm extractable for lead. This would be considered hazardous waste by RCRA standards for lead.

It should be noted that the soil pH of the samples in the fill area ranged from a low of 6.8 to 7.5. This could be explained by either the addition of lime to the soil plus the fact that a limestone aggregate was mixed with the fill material.

Mr. Robinson was notified of the sample results and again advised to control access and surface use in the contaminated area.

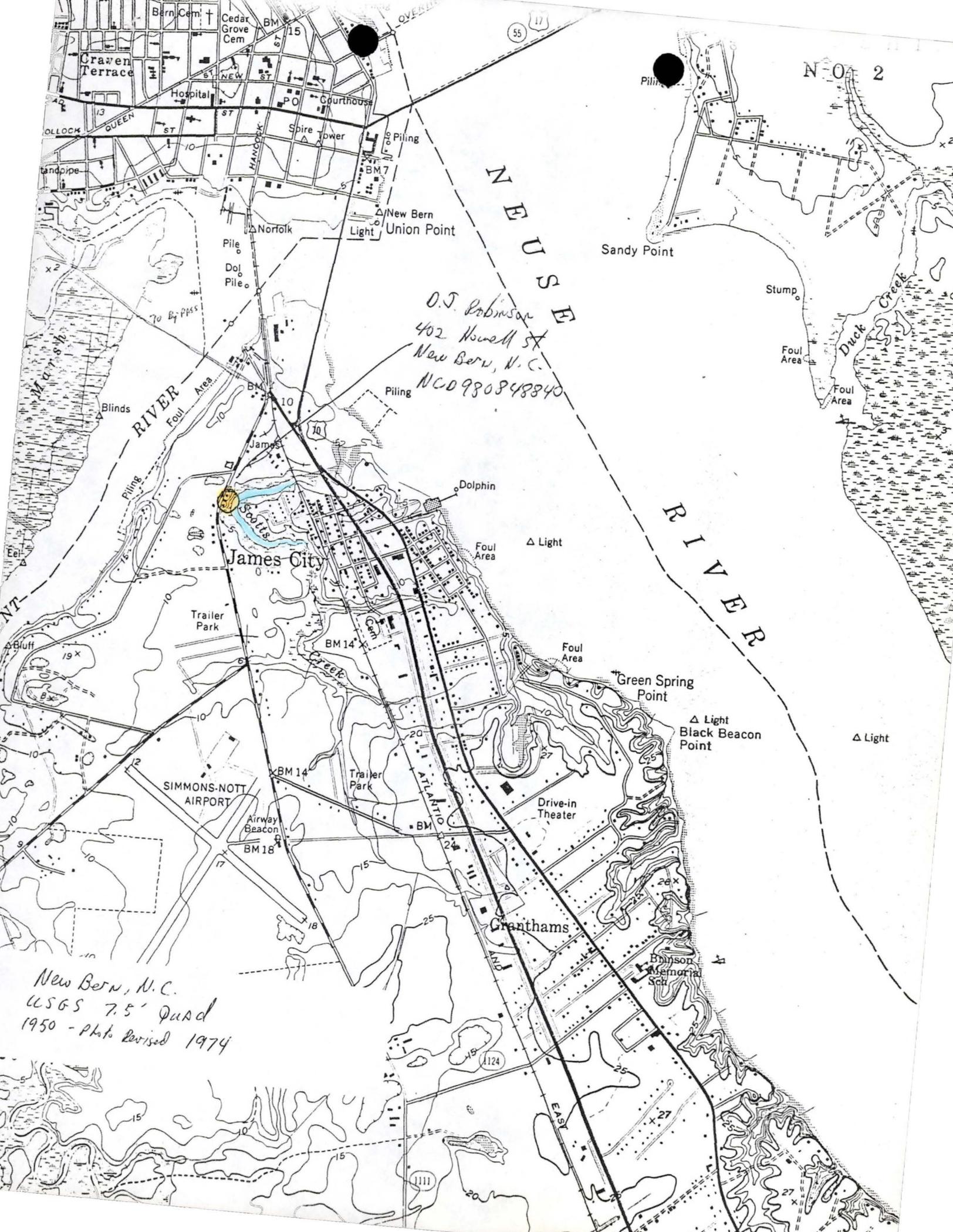
Scotts Creek Battery Site
NCD980848840

Summary of soil sample results as of June 20, 1984.

8-3-83 by Fred Wood, WMS, DHS
soil sample for lead 2400 ppm total.

10-8-83 by D. Robinson, resident		
soil samples for lead	totals	Extr
	6300 ppm	2.6 ppm
	400 "	<.1 "
	3000 "	.8 "
	9900 "	2.6 "
	3700 "	.3 "
	4000 "	.2 "

5-2-84 by 3012 S.I.		
soil samples for lead (ppm)	total	Extr
1"-6" Composite Sta A,B & C	1300	.2
12"-15" Sta "A"	7800	11.0
24"-28" Sta "A"	1600	2.7
12"-15" Sta "B"	5800	1.0
24"-28" Sta "B"	62	<.1
12"-15" Sta "C"	1000	.3
12"-15" Sta "C"	360	.1
Surface (background) Sta "D"	<4.9	<.1



O.J. Robinson
402 Howell St
New Bern, N.C.
NCD 980848840

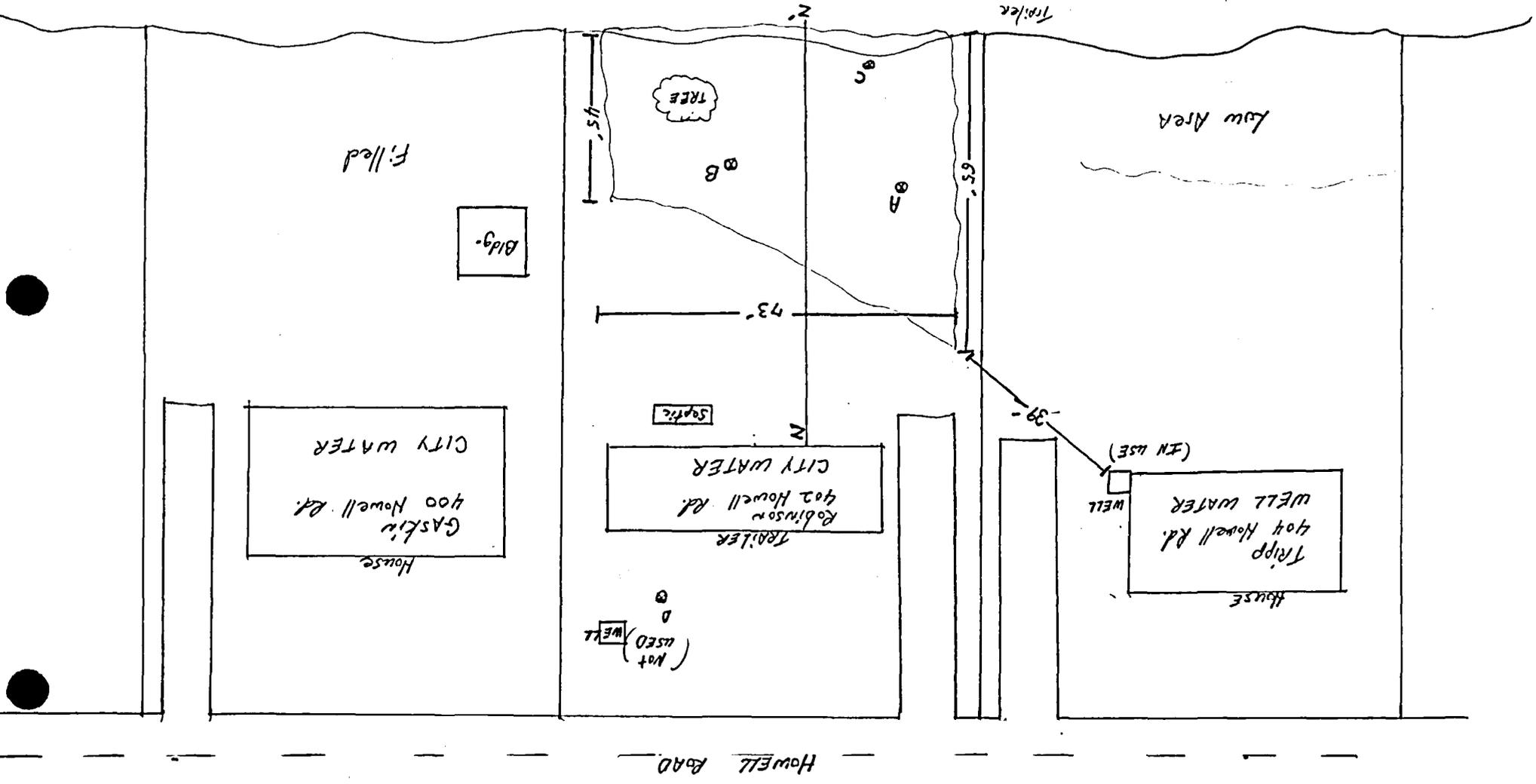
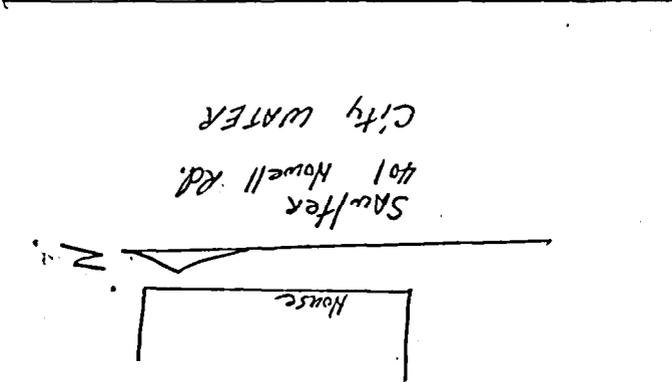
New Bern, N.C.
USGS 7.5' Quad
1950 - Photo Revised 1974

Sketch Map
 No Scale
 F.E.M.
 5-10-84

Scotts Creek Battery Site
 402 Howell Rd.
 New Ben, N.C. 28560
 NCD 980848840

Sawyer
 401 Howell Rd.
 City Water

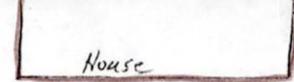
N →



Scotts Creek
 ←
 to Neuse River

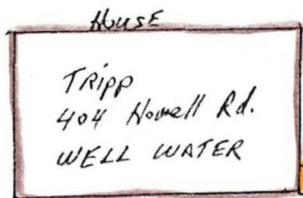
Sketch Map
No Scale
F.E.M.
5-10-84

Scotts Creek Battery Site
402 Howell Rd.
New Bern, N.C. 28560
NCD 980848840



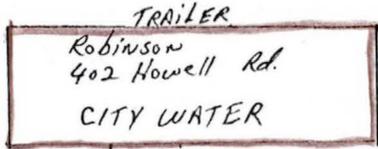
Sawyer
401 Howell Rd.
City WATER

HOWELL ROAD



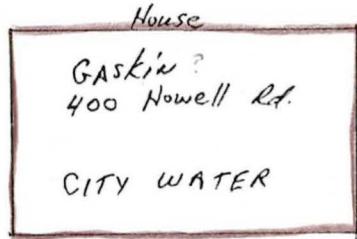
WELL
(IN USE)

39'

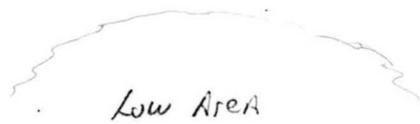
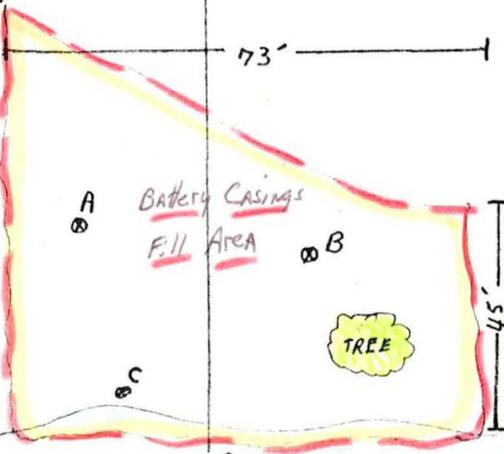


(Not USED)
WELL

Septic



Filled



Low Area

Trailer

Z'

Scotts Creek



to Neuse River
→



X-Section

**County of Craven
Department of Health**

Junius W. Davis, Jr., M. D., M. P. H.
COUNTY HEALTH DIRECTOR



June 13, 1984

Mr. Frank Moore
P.O. Box 209
N.C. Hazardous & Solid Waste
Raleigh, N. C. 27602

Dear Mr. Moore:

Enclosed are the results of a bacteria and a chemical sample of water pulled from the residence of Mr. L. E. Tripp of 404 Howell Road, New Bern, North Carolina on May 31, 1984. I will continue to send you a copy of our results on a quarterly basis. If I can be of any further assistance please feel free to call.

Sincerely,

Ray G. Silverthorne, Jr., R.S.
Sanitarian

RGS:dm
Enclosures

Lab Number

Nº 2713

Last cert. 37-5-12

Laboratory Section
Craven County Health Department

P. O. Box 1390
New Bern, N.C. 28560

Water System I.D. Number

303

Name of Supply

L.E. Tripp (633-0217)

Date & Time Received

5/31/84

Sample Address

404 Howell Rd.

County

Craven

Date & Time Analysis Began

5/31/84 4⁰⁰ pm PW

Collected by

Ray D. Silvestro

Date & Time Collected

5/31/84 - 11:15 AM

Type of Supply

Community Compliance

Non-Community Compliance

Individual

New Lines

Other

Source

Ground

Surface

Chlorinated

Unchlorinated

Send Report To:

Name

Ray D. Silvestro

Phone

(633-0217)

Address

Environmental Health

City

Zip

Fees

Paid

Charged

Company Charged

LABORATORY USE ONLY

MEMBRANE FILTER METHOD

Number typical colonies _____ % of these verified pos _____

Number atypical colonies _____ % of these verified pos _____

TNTC
(> 200 total colonies)

Confluent Growth

Sample Too Turbid

CONFIRMED RESULTS

_____ Total coliform per 100 ml.

Report by *PW*

Coliform not Found

Date *6-1-84*

Additional Information

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: L.E. Tripp (633-0217)

Address: 404 Howell Rd.
New Bern ZIP 28560

County: CRAVEN

Report To: Ray Silverthorne

Address: CRAVEN Co. Health Dept.
2102 Neuse Blvd.
New Bern, N.C. ZIP 28560

Collected By: Ray Silverthorne

Date Collected: 5/31/84 Time: 11:15 AM
 PM

Location of Sampling Point: Kitchen sink

Source of Water:
 Ground () Both
 Surface () Purchased

Source of Sample:
 House Tap
 Well Tap

Type of Sample:
 Raw () Treated

Type of Treatment:
 None () Lime
 Chlorinated () Soda Ash
 Fluoridated () Polyphosphate
 Filtered () Water Softener
 Alum () Other

Type of Analysis Desired:
 Regular Parameters () Both
 Optional Parameters

Remarks:

Regular Parameters		Optional Parameters (List as needed)	
	Results		Results
pH	6.5	units	
Arsenic	20.01	mg/l	
Lead	<0.03	mg/l	
Iron	0.76	mg/l	
Manganese	0.11	mg/l	
Copper	<0.05	mg/l	
Zinc	0.70	mg/l	
Calcium	39.0	mg/l	
Magnesium	15.0	mg/l	
Hardness-CaCO ₃ (Ca, Mg)	16.1	mg/l	
Alkalinity-CaCO ₃	48	mg/l	
Chloride	130	mg/l	
Color	2	units	
Turbidity	3.9	NTU units	
Fluoride	<0.10	mg/l	

Date Received: _____ Date Reported: 6/6/84 Reported By: _____

Date Analyzed: _____ Laboratory Number: _____

275 JUN 1 84

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SAMPLE COLLECTION

- 1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

- 1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

Color	15 units	Calcium	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY



Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

June 1, 1984

PA F. 6

Mr. Walton Jones
EPA 3012 Regional Project Officer
Air and Hazardous Materials Division
U. S. Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, Georgia 30365

RE: Preliminary Assessment Reports/
Transmittal Letter

Dear Mr. Jones:

Submitted under this cover are the Preliminary
Assessment Reports for the following ERRIS List Sites
in N. C.

Scotts Creek Battery Site NCD980848840
402 Howell Road
New Bern, N. C. 28560

This site is a residential lot, on which old battery casings were used as part of the fill material used in filling a low area along the edge of Scotts Creek. High levels of lead have been found in the soil of the filled area. The resident's health is being monitored by the County Health Department and the resident has been advised to restrict the access to and surface use of the lead contaminated area. Although none of the other residences in the area appear to be affected by the site, it is a serious problem for the residents who has to live there and it is therefore recommended for a high priority inspection. The site inspection should further document the degree and extent of contamination and identify any other health or environmental hazards that might be associated with this disposal. Also, try to develop a better site history and responsible parties.

Mr. Walton Jones
Page 2
June 1, 1984

Madison County Cyanide Site NCD980848782
Route 2, Box 198, Hwy 63
Leicester, N. C. 28748

This abandoned site was reportedly used for a silver recovery operation from photographic plates using a cyanide leaching process. Approximately 50 drums of various waste liquids and solids are scattered about the property. To-date analyses suggest hazardous waste on site to be corrosive and containing high levels of silver, cyanide, nickel and copper. Due to the cyanide and cyanide wastes reported, this site is recommended for a high priority for inspection. The inspection should further document the waste disposals on site and evaluate the site for immediate removal considerations. It is reported that the property owner is trying to have the site cleaned-up and has been given a deadline for submitting a plan to the Branch for approval.

Plymouth Wood Treatment Company NCD075570820
Route 2, Box 463, Hwy 45 N
Plymouth, N. C. 27962

This abandoned site is where the now bankrupt Plymouth Wood Treatment Company processed different types of wood products using a preservative of chromated copper arsenate solutions. Initial reports indicated the company had operated in violation of RCRA standards and had contaminated soils on the site as well as surface and groundwater. In addition to a residential water well close by, the area was considered environmentally sensitive due to the site being close to the Roanoke and Conaby rivers. The Branch requested a high priority for site inspection and immediate removal consideration. The site is presently being investigated by EPA.

Parks-Cramer NCD05310732
2000 S. Boulevard
Charlotte, N. C. 28203

Parks-Cramer notified for storage of waste 1,1,1-trichloroethane from their vapor degreaser operations. Investigation of the site revealed they had disposed of the waste solvent on site as "weed control" from 1962 until 1978, when they began recycling the solvent. Estimates placed the disposal of solvent around 500 to 1,000 gallons per year.

Mr. Walton Jones
Page 3
June 1, 1984

Based on the available information, we concluded that the site should receive a medium priority for site inspection. This solvent disposal represented a substantial amount of waste solvent being poured on the ground to be evaporated or infiltrated into the ground. The site inspection should concentrate on the method and location of this disposal and to better evaluate the potential for groundwater contamination. No known health threats to the area at this time, as this is an industrialized area with a city water supply. The facility is presently in compliance with RCRA small generator standards.

Monarch Furniture/Thaden Metals NCD990883001
300 Scientific Street
Jamestown, N. C. 27282

Monarch notified for past disposal of electroplating sludges on site, from the clean-out of a surface impoundment, the last in 1976. The groundwater on site has also been contaminated from past operations. The facility has also tried to identify the sludge disposal areas in the past. No known drinking water wells reported in the area.

Based on the review of the available information this site is recommended for a medium priority for inspection. This action will probably come from a combined closure and clean-up program by RCRA and Superfund, as both programs have taken an interest in the site. The groundwater contamination appears to be of the greatest concern here as the property is reportedly for sale. Also, it appears that several government agencies have inspected this site and the documentation appears plentiful but it has not been noted on the ERRIS printout.

NCSU Farm Lot #86 NCD980557656
Carter-Finley Stadium
Raleigh, N. C. 27607

North Carolina State University notified for their waste disposal site, containing an estimated 300,000 cubic feet of various hazardous and non-hazardous wastes from science labs and agricultural research. A burial list is on file at NCSU Life Safety Services Office. This site, although located between I-40 and the football stadium, is considered isolated from the public. The site is fenced and has been monitored and studied for several years by the University.

Even though some groundwater contamination and pollutant migration from the site has been documented, the site doesn't present any immediate threat to the public or the environment, according to the University.

Based on the review of available information, this site is recommended for a medium priority for site inspection, even though the ERRIS list printout indicates a No Further Action Code (N). Follow-up work will be mainly to keep the file up-dated and to monitor for long-range affects from the site until a policy decision is reached by the State and EPA on what to do with this type of site. (Not the only one in the State).

Also, it should be noted that there are two (2) documented low-level radioactive disposal sites on University property. One site is contiguous to the chemical waste disposal site and may be contributing to the pollution of the groundwater. The other is an older site in Schenck Forest that was abandoned in 1969. In general, it can be stated that there is no sub-surface/groundwater monitoring at any low-level radioactive disposal site in the State of North Carolina.

UNC-Chapel Hill - Disposal Area
Airport Road
Chapel Hill, N. C. 27514

NCD980557623
Orange Co.

This site is similar to NCSU in that it is where the University had permission from the State to dispose of its waste chemicals, hazardous and non-hazardous, on University property. The difference is in the way this site at UNC has not been studied and monitored in any scientific manner. This site will also be a complex issue when something is decided on whether a clean-up is required. This site appears ill-suited for a hazardous waste disposal area and is therefore recommended for a medium priority for site inspection, based on available information.

There are three (3) groundwater monitoring wells on site but the University lacks a formal, long-range plan to monitor and evaluate the affects of this site. Cooperation in obtaining site information and documentation was not the best from University personnel, either. Even with the problems of site management and lack of access control to the site, the medium priority was recommended due to no known immediate public health or environmental threats.

Mr. Walton Jones
Page 5
June 1, 1984

Future work would center on obtaining additional site information (disposal lists) and trying to get the University to up-grade the site conditions and monitoring plan until EPA and the State agree on what is to be done with sites like this one.

Duke University
Gate #11, Hwy 751
Duke University Road
Durham, N. C. 27706

NCD000813519

Duke University notified for a one time burial of thirteen(13) drums of clean-out waste chemicals from an old chemistry building. The burial was in an isolated and secure location in Duke Forest, part of Duke's property. What was not mentioned was that this site was also the site for Duke's low-level (questionable low) radioactive waste they had disposed of during the late 50's and 60's. The site is on a topographic high and has for the most part, some good clay soils. There is some concern about rock outcrops and the apparent shallow bedrock at the site providing access for pollutant migration into the groundwater through the fractures in the bedrock. The site is being monitored by University personnel and the N. C. Office of Radiation Protection. The monitoring only involves surface sampling. Again, low-level radiation disposal sites in North Carolina are not being monitored for groundwater contamination and migration.

Based on the review of available information we recommend a low priority for site inspection. This priority is based on the small amount of chemical waste disposed, the secure and isolated nature of the site and the fact that some monitoring is being done at the site. Future work at this site should involve sub-surface monitoring and possibly resolving the issue of whether it's a "Superfund" site or a NRC, low-level radioactive dump site.

Rowan County Landfill
Airport Road
Salisbury, N. C. 28144

NCD980557748

This landfill was notified for by Abex Corporation in Salisbury, N. C., because of the company's disposal of lead baghouse dust and asbestos from their friction materials formulation operations. Based upon available information on file, the disposal of these materials in the landfill doesn't present a threat to the public or the environment.

During the file search on this landfill, it was learned that the landfill had received two separate pesticide burials under the N. C. Pesticide Board's planned burial program. A total of approximately 80 gallons was disposed of, one involved a 5% solution of DDT and the other contained Parathion. No further investigation is recommended at this time due to the following:

- small quantity disposed of
- relatively low concentrations of solutions
- present monitoring of surface water indicates no impact to the stream, Grants Creek
- site is next to the airport and future land use will be controlled
- site is on the property deed as a landfill
- not economical or efficient to try and monitor a large site for a small disposal without knowing the exact locations of the pesticides.
- no one down-gradient of the site, no groundwater use.

It should also be noted that phase III of this landfill is still being filled and does have groundwater monitoring wells on site. Landfills are indeed a unique situation.

Lithium Corporation of America
Hwy 161
Bessemer City, N. C. 28016

NCD000771964
Gaston County

Lithium Corporation of America (LCA) notified for disposal of Beryllium metal processing wastes. Besides Beryllium dust and scrap metals, some Beryllium salt compounds and flotation reagents were also drummed and buried in trenches on site. The flotation reagents (bromo-chloro-methane and perchloroethylene) are of the most concern and will need to be investigated further at sometime in the future. The burials are under mine tailings waste in the landfill area on site and there are no groundwater users reported down-gradient from the site.

Based on the review of available information we recommend a low priority for site inspection. The site is part of a large industrial complex and doesn't appear to represent any immediate threats to the public or environment. However, because of the heavy liquids buried in drums, the site should remain on the active ERRIS List and be further evaluated in the future for possible groundwater contamination or required monitoring.

Mr. Walton Jones
Page 7
June 1, 1984

Johnson Controls - Globe Battery
Old Greensboro Road
Winston-Salem, N. C. 27102

NCD000770487
Forsyth County

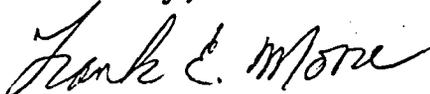
This company notified for a 3,000 gallon sulfuric acid spill in 1979, which was neutralized and cleaned-up. They also reported for lead oxide dust releases that occurred during changing and disposing of the baghouse air cleaning bags. They changed the procedure for handling the bags which prevented any further lead dust releases. At present they are in compliance with RCRA generator standards.

Based on the review of available information we recommend that no further action is required at this site. No other spills (except the acid release in 1982) or releases were reported and no disposals on or off-site were noted. It is therefore requested that Globe Battery be placed on the inactive ERRIS list, as it doesn't appear to be a hazardous waste disposal site.

Please find attached the site summary sheet for the above sites.

Please contact me if you require additional information or have questions about these sites.

Sincerely,



Frank E. Moore, Geologist

Solid & Hazardous Waste Management Branch
Environmental Health Section

FEM:jj

PRELIMINARY ASSESSMENTS SUBMITTED TO EPA

Date 5-29-84

EPA ID NUMBER	SITE NAME	PRIORITY-INSPECTION			NO FURTHER ACTION
		HIGH	MEDIUM	LOW	
NCD980848840	Scotts Creek Battery	X			
NCD980848782	Madison Co. Cyanide	X			
NCD075570820	Plymouth Wood Treatment Co.	X			
NCD053010732	Parks-Cramer		X		
NCD990883001	Monarch Furniture		X		
NCD980557656	N. C. State U./Lot #86		X		
NCD980557623	UNC-CH Disposal Area		X		
NCD000813519	Duke University			X	
NCD980557748	Rowan County Landfill				X
NCD000771964	Lithium Corp. of Am.			X	
NCD000770487	Johnson Controls - Glove Battery				X



Mark

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

May 25, 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Daniel J. Robinson
402 Howell Road
New Bern, N. C. 28560

Dear Mr. Robinson:

Please find attached the results of the soil samples taken from your backyard on May 2, 1984, by Chris Bird and myself.

It is my understanding that the Craven County Health Department will continue to monitor you and your neighbors and wishes to assist you in any way they can. I would also like to advise you that your yard has been submitted to EPA, Region IV as a Superfund site for clean-up due to the higher than normal levels of lead found in the soils.

Please be advised, that until a more permanent solution is implemented, the recommendations made to you by Mr. Terry Dover in his letter on October 31, 1983, should still be followed. Primarily, access and surface use in the contaminated area should be restricted.

Please contact Bill Meyer, of this office, or myself if you have any questions.

Sincerely,

Frank E. Moore

Frank E. Moore, Geologist

Solid & Hazardous Waste Management Branch
Environmental Health Section

FEM:jj
cc: Terry Dover
Fred Wood
C. H. Hamm
Bill Meyer

h point 210° F (99° C).

oys; tank cars.

yes.
c rubber and plastics,
armaceuticals, and in
anionic detergent.

$(H_3)COO(CH_2)_{11}CH_3$.
a mixture, containing
derivatives. Boiling
668 g/ml; flash point
ustible. Probably low

for plastics, molding
hesives, oil additives;
and paper finishing.

$NCIC_{12}H_{25}$.
lid. Soluble in water
point 347° F (175° C);

gher and lower fatty
persing and wetting
and bactericides.

zothiazyl sulfide.

oy containing 4-5%
tional percentages of
manganese, or mag-

sein and soybean ad-
for low-temperature
g where water-resis-

fiber drums.
g glues used in the
ture.

ies of urea, phenolic,
s. Available as dry
onding, cold-setting
d glues for furniture,
cold pressing; radio
of diversified com-

d in perfumery. 35%
quired. Terpeneless
ncentration of the

series of synthetic
us types.

Lavoisier, Antoine Laurent (1743-1794). French chemist generally regarded as the "father" of chemistry. His "Traité Élémentaire de Chimie" (1789) listed 30 elements, clarified the nomenclature of acids, bases and salts, and described the composition of numerous organic substances. He erroneously believed that oxygen is the characteristic element of acids. However, his fundamental work on combustion, as a result of which he identified and named nitrogen (azote), and on the separation of hydrogen from water by a unique reduction experiment carried out in a heated gun barrel, earned him a leading position among early chemists. (See also Mendeleéf).

lawrencium Lr A synthetic radioactive element with atomic number 103, discovered in 1961. Atomic weight 257. Only one other isotope is known (256). The 257 isotope has a half-life of 8 seconds. It has been made by bombarding californium with boron ions. It exhibits alpha radiation. See actinide series.

lay-up. In the reinforced plastics industry, a term used to refer to placement of the reinforcing material in the mold.

LC₅₀ (lethal concentration, 50%). That quantity of a substance administered by inhalation that is necessary to kill 50% of test animals exposed to it within a specified time. This test applies not only to gases and vapors but to fume, dusts and other particulates suspended in air.

LCL. Abbreviation for "less than carload lot"; used by shippers, traffic managers, railroads, etc.

LD₅₀ (lethal dose, 50%). That quantity of a substance administered either orally or by skin contact necessary to kill 50% of exposed animals in laboratory tests within a specified time. A substance having an LD₅₀ of less than 50 mg per kg of body weight is rated highly toxic by toxicologists.

leaching. See solvent extraction.

lead Pb (from Latin plumbum). Metallic element of atomic number 82, Group IVA of the periodic table. Atomic weight 207.2; valences 2, 4; 4 stable isotopes. The isotopes are the end products of the three series of natural radioactive elements uranium (206), thorium (208), and actinium (207). Properties: Heavy, ductile, soft gray solid. Sp. gr. 11.35; m.p. 327.4° C; b.p. 1755° C; soluble in dilute nitric acid; insoluble in water but dissolves slowly in water containing a weak acid; resists corrosion; relatively impenetrable to radiation. Poor electrical conductor; good sound and vibration absorber. Non-combustible.

Occurrence: U.S., Mexico, Canada, S. America, Australia, Africa, Europe.

Derivation: Roasting and reduction of galena (lead sulfide), anglesite (lead sulfate), and cerussite (lead carbonate). Also from scrap.

Purification method: Desilvering (Parkes process); electrolytic refining (Betts process); pyrometallur-

gical refining (Harris process). Bismuth is removed by Betterton-Kroll process.

Grades: High purity (less than 10 ppm impurity); pure (99.9+); powdered (99% pure); pig lead; paste. Forms available: Ingots, sheet, pipe, shot, buckles or straps, grids, rod, wire, etc.; paste; powder; single crystals.

Hazard: Toxic by ingestion and inhalation of dust or fume. Tolerance (as Pb), (fumes and dusts, and inorganic compounds) 0.15 mg per cubic meter of air. For ambient air the EPA standard is 1.5 micrograms per cubic meter. A cumulative poison. FDA regulations require zero lead content in foods and 0.05% in house paints.

Uses: Storage batteries; tetraethyllead (gasoline additive); radiation shielding; cable covering; ammunition; chemical reaction equipment (piping, tank linings, etc.); solder and fusible alloys; type metal; vibration damping in heavy construction; foil; babbit and other bearing alloys.

For further information refer to Lead Industries Association, 292 Madison Ave., New York.

lead acetate (sugar of lead) $Pb(C_2H_3O_2)_2 \cdot 3H_2O$.

Properties: White crystals or flakes (commercial grades are frequently brown or gray lumps). Sweetish taste. Absorbs carbon dioxide when exposed to air, becoming insoluble in water. Soluble in water; slightly soluble in alcohol; freely soluble in glycerol. Sp. gr. 2.50; m.p. loses H₂O at 75° C; at 200° C decomposes; b.p. (anhydrous) 280° C. Combustible. Derivation: By the action of acetic acid on litharge or thin lead plates.

Grades: Powdered; granular; crystals; flakes; C.P. Containers: Multiwall paper sacks; drums; carloads. Hazard: Highly toxic by ingestion, inhalation, skin absorption. Use may be restricted.

Uses: Dyeing of textiles; waterproofing; varnishes; lead driers; chrome pigments; gold cyanidation process; insecticide; antifouling paints; analytical reagent; hair dye.

Shipping regulations: (Air) Poison label.

lead alkyl, mixed. A mixture containing various methyl and ethyl derivatives of tetraethyl lead and tetramethyl lead. Thus methyl triethyl lead, dimethyl diethyl lead and ethyl trimethyl lead may all be present with or without tetraethyl and tetramethyl lead.

Hazard: Toxic by ingestion and skin absorption.

Uses: Antiknock agents in aviation gasoline.

lead antimonate (Naples yellow; antimony yellow) $Pb_3(SbO_4)_2$.

Properties: Orange-yellow powder. Insoluble in water. Sp. gr. 6.58 (20° C). Noncombustible.

Derivation: Interaction of solutions of lead nitrate and potassium antimonate, concentration and crystallization.

Hazard: Toxic by inhalation. Tolerance (as Pb), 0.15 mg per cubic meter of air.

Uses: Staining glass, crockery and porcelain.

lead arsenate (lead arsenate)
Properties: White
insoluble in water;
poses).

Derivation: By the
solution of sodium
crystallization.

Uses: Insecticide; he
Hazard: Highly toxic
cubic meter of air.

Shipping regulation

lead arsenite $Pb(AsO_2)_2$
Properties: White
insoluble in water.

Hazard: Highly toxic
Use: Insecticide.
Shipping regulation

lead azide $Pb(N_3)_2$
Properties: Colorle
Should always be

Derivation: Reactio
Hazard: Severe ex
(660° F). Highly to

per cubic meter of
Use: Primary deto
sives.

Shipping regulatio
Not acceptable pa
Note: Explosions h
compounds have
after being wash

after being wash

lead-base Babbitt.

lead biorthophospha

lead, blue. A term
from white lead o
lead sulfate.

lead borate $Pb(BO_2)_2$
Properties: White
acid; insoluble in
(loses water). No

Derivation: Interac
and boric acid, w
Hazard: Highly to
mg per cubic me

Uses: Varnish and
lead glass; electr

lead borosilicate.
composed of a
lead.

lead bromate $Pb(BrO_3)_2$
Properties: Color
sp. gr. 5.53; deco

Hazard: Highly to

lead bromide $PbBr_2$
Properties: Whit

Summary

of

Scotts Creek Battery Dump

JGM
5-23-84

- Spring of 83, Mr. D. J. Robinson retired in New Jersey and moved to New Bern, N. C., where he purchased a lot and trailer, 402 Howell Road. He purchased the lot and trailer from Fuller and Hazel Saulter, 401 Howell Road, across the street.

- When Mr. Robinson began clearing the weeds in his backyard with his lawnmower, he discovered the battery casings. Mr. Robinson contacted the Saulters and was told that Hazel Saulter's father, Henry Scott, hauled the battery casings there to use as a wall to keep the creek water back during high water, when he lived there. Mrs. Saulter told me that her father has been dead for 28 years. According to a long time neighbor, Mr. Lenwood Tripp, 404 Howell Road, the Saulter's had some work done on the lot about 10 years ago. This work involved pushing an old shack and debris, that was on site, into the low area along the creek and covering the area with some more dirt. This is believed to be the cause of having the battery casing scattered over the back of the lot.

- Mr. Robinson made a complaint to the Craven County Health Dept. which was referred to the Solid & Hazardous Waste Management Branch. The Health Department monitors the only reported drinking water well in the area (Mr. Tripp's) quarterly. Mr. Robinson was tested for lead burden by the Health Dept. and was O.K. The offer of free blood checks were made to the neighborhood but no one has been checked other than Mr. Robinson. A soil sample taken by Fred Wood (WMS) showed a total lead of 2400 ppm.

- Mr. Robinson took six additional soil samples in October 83:

No.	Total	Extr.	pH
1	6300	2.6	6.9
2	400	< .1	6.6
3	3000	.8	6.7
4	9900	2.6	6.8
5	3700	.3	6.8
6	4000	.2	7.5

- In October 1983, Terry Dover, Eastern Area Supervisor, wrote Mr. Robinson advising him to apply lime to the area and to control access to the area.

- In April 84, Mr. Robinson wrote Mr. O. W. Strickland, Branch Head, requesting further assistance.

JGM

JEM

- Mr. Strickland referred the site to the 3012 Group.
- On May 2, 1984, Chris Bird and myself, made a site inspection and took soil samples of the area. Complete results in file. High lead was again confirmed with one sample from station "A", 12" to 15" deep, 7800 ppm total pb and 11.0 ppm extr. pb.
- Mr. C. H. Hamm, Jr. of the Craven County Health Dept. is to forward all results of the health monitoring samples from this site.

Mr. Daniel J. Robinson
402 Howell Road
New Bern, N. C. 28560
(919) 637-3444

Fuller & Hazel Saulter
401 Howell Road
New Bern, N. C. 28560
(919) 637-2716

Mr. Lenwood E. Tripp
404 Howell Road
New Bern, N. C. 28560

C. H. Hamm, Jr.
Craven County Health Dept.
(919) 633-3488

Fred Wood (WMS) N. C. Solid & Hazardous Waste Management Branch
Terry Dover (Area Supervisor) (919) 733-2178
O. W. Strickland (Branch Head)
Frank Moore (Geologist - 3012)
Chris Bird (Engineer - 3012)

NOTE: The source of the battery casings was from a salvage yard run by Fuller Saulter on property leased from the Col. Bryan Estate. The area is now part of the 70 By-Pass.

JEMore
5-23-84

**County of Craven
Department of Health**

Junius W. Davis, Jr., M. D., M. P. H.
COUNTY HEALTH DIRECTOR



May 22, 1984

Mr. Frank Moore
Solid and Hazardous Waste Branch
Division of Health Services
P. O. Box 2091
Raleigh, North Carolina 27602-2091

Dear Mr. Moore:

My supervisor, Mr. C. H. Hamm, Jr., has asked me to continue to sample the well at 404 Howell Road, New Bern, North Carolina for Mr. L. E. Tripp. I have been asked to send you copies of the water reports on a quarterly basis. Enclosed are copies of all samples that I know of taken up to this date. I will continue to sample this well for chemicals, bacteria and petroleum products. If you have any questions or if I can be of any assistance, please feel free to call.

Sincerely,

Ray G. Silverthorne, Jr., R.S.
Sanitarian
Division of Environmental Health

RGS:js

Enclosures



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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980848840

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Scotts Creek Battery Site		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 402 Howell Road			
03 CITY New Bern		04 STATE NC	05 ZIP CODE 28560	06 COUNTY Craven	07 COUNTY CODE 025
08 CONG DIST 01		09 COORDINATES LATITUDE 35 05 20.0 LONGITUDE 077 02 37.0			
10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER					

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 5 / 21 / 84 MONTH DAY YEAR	02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1 BEGINNING YEAR ENDING YEAR <input checked="" type="checkbox"/> UNKNOWN
04 AGENCY PERFORMING INSPECTION (Check all that apply)		
<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR _____ (Name of firm) <input checked="" type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR _____ (Name of firm) <input type="checkbox"/> G. OTHER _____ (Specify)		

05 CHIEF INSPECTOR Frank E. Moore	06 TITLE Geologist	07 ORGANIZATION DHR	08 TELEPHONE NO. (919) 733-2178
09 OTHER INSPECTORS Chris Bird	10 TITLE Engineer	11 ORGANIZATION DHR	12 TELEPHONE NO. (919) 733-2178
			()
			()
			()
			()

13 SITE REPRESENTATIVES INTERVIEWED Daniel J. Robinson	14 TITLE Owner	15 ADDRESS 402 Howell Road	16 TELEPHONE NO. (919) 637-3444
Lenwood E. Tripp	Neighbor	404 Howell Road	(919) 633-0217
Hazel Sautter	Previous owner	401 Howell Road	(919) 637-2716
			()
			()
			()

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 0900 - 1300 hrs.	19 WEATHER CONDITIONS Partly cloudy w/light breeze
---	--	--

IV. INFORMATION AVAILABLE FROM

01 CONTACT Terry Dover	02 OF (Agency/Organization) Area Supervisor Solid & Hazardous Waste Management Branch	03 TELEPHONE NO. (919) 733-2178
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Frank Moore	05 AGENCY NC DHR	06 ORGANIZATION Solid & Haz. Waste Mgt. Br.
	07 TELEPHONE NO. (919) 733-2178	08 DATE 5 / 21 / 84 MONTH DAY YEAR



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980848840

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1 - 5 04 NARRATIVE DESCRIPTION

None reported - site at discharge point along Scotts Creek
Well sample to date indicate no contamination

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

No apparent problem - large volume creek -
disposal reportedly took place many years ago.

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

N/A

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

N/A

01 E. DIRECT CONTACT 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1 04 NARRATIVE DESCRIPTION

Mr. Robinson advised to avoid area & not to plant a garden in the fill area.

01 F. CONTAMINATION OF SOIL 02 OBSERVED (DATE: 5-2-84) POTENTIAL ALLEGED
03 AREA POTENTIALLY AFFECTED: 1/8 04 NARRATIVE DESCRIPTION
(Acres)

Estimated area of fill is 60' x 70' x 2'

01 G. DRINKING WATER CONTAMINATION 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 6 04 NARRATIVE DESCRIPTION

None reported or detected in sampling of closest well as reported by
Craven County Health Dept. (Mr. Lenwood Tripp well is approximately
40' from site)

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

N/A

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

N/A



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
 NC D980848840

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
 Possible accumulation in aquatic fauna, but the creek is not regarded as a fishing place.

01 M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (DATE: 5-2-84) POTENTIAL ALLEGED
 (Spills/Runoff/Standing Ponds, Leaking drums)
 03 POPULATION POTENTIALLY AFFECTED: 1 04 NARRATIVE DESCRIPTION
 Lead/battery casings used as fill material. Mr. Robinson is the only person living at the site now, and only his lot has been affected.

01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
 04 NARRATIVE DESCRIPTION
 None noted.

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
 ? ?
 Dumping next to a creek.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
 None - no children in the area

III. TOTAL POPULATION POTENTIALLY AFFECTED: 4 - 6

IV. COMMENTS
 Small site - Health monitoring done by Craven County Health Dept.

V. SOURCES OF INFORMATION (cite specific references, e. g., state files, sample analysis reports)
 See page 2



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980848840

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED <i>(Check all that apply)</i>	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE <i>(Specify)</i>				
<input type="checkbox"/> H. LOCAL <i>(Specify)</i>				
<input type="checkbox"/> I. OTHER <i>(Specify)</i>				
<input checked="" type="checkbox"/> J. NONE	None			

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL <i>(Check all that apply)</i>	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT <i>(Check all that apply)</i>	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCENERATION	<input type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F. LANDFILL	300 cu. yds.		<input type="checkbox"/> F. SOLVENT RECOVERY	06 AREA OF SITE
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	0.1 (Acres)
<input checked="" type="checkbox"/> H. OPEN DUMP			<input checked="" type="checkbox"/> H. OTHER <u>None</u> <i>(Specify)</i>	
<input type="checkbox"/> I. OTHER <i>(Specify)</i>				

07 COMMENTS

Small residential lot where the backyard was "filled" in with debris & battery casings. Next to a "large" creek. A serious problem for this man, Mr. Robinson for he is unable to enjoy this part of his yard due to the lead.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES <i>(Check one)</i>			
<input type="checkbox"/> A. ADEQUATE, SECURE	<input type="checkbox"/> B. MODERATE	<input checked="" type="checkbox"/> C. INADEQUATE, POOR	<input type="checkbox"/> D. INSECURE, UNSOUND, DANGEROUS

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

N/A

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: YES NO

02 COMMENTS

No problem for use of equipment to excavate & refill site.

VI. SOURCES OF INFORMATION *(Check specific references, e.g. State files, sample analysis reports)*

Site inspection 5-2-84 Moore & Bird



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

I. IDENTIFICATION	
01 STATE NC	02 SITE NUMBER D980848840

II. DRINKING WATER SUPPLY.

01 TYPE OF DRINKING SUPPLY <i>(Check as applicable)</i>		02 STATUS Non-Com. - Well			03 DISTANCE TO SITE	
COMMUNITY	SURFACE A. <input type="checkbox"/>	WELL B. <input checked="" type="checkbox"/>	ENDANGERED A. <input type="checkbox"/>	AFFECTED B. <input type="checkbox"/>	MONITORED C. <input type="checkbox"/>	A. _____ (mi)
NON-COMMUNITY	C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	B. 50 ft (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 <u>2 - 6</u>		03 DISTANCE TO NEAREST DRINKING WATER WELL <u>50 ft.</u> <input checked="" type="checkbox"/> (ft)			
04 DEPTH TO GROUNDWATER <u>few feet</u> (ft)	05 DIRECTION OF GROUNDWATER FLOW <u>toward creek</u>	06 DEPTH TO AQUIFER OF CONCERN <u>unconfirm^(B)</u>	07 POTENTIAL YIELD OF AQUIFER <u>N/A</u> (gpd)	08 SOLE SOURCE AQUIFER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

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

The closest well is Mr. L. Tripp's and is approx. 50 feet from the site. Residential use. Reports of other existing wells in the immediate area, but not used, since they "hooked" on to city water. Typical well 25' deep.

10 RECHARGE AREA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO COMMENTS: <u>On the edge of Scotts Creek</u>		11 DISCHARGE AREA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO COMMENTS: <u>On the edge of Scotts Creek</u>	
---	--	--	--

IV. SURFACE WATER

01 SURFACE WATER USE *(Check one)*

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
<u>Scotts Creek</u>	<input type="checkbox"/>	<u>0 feet</u> <input checked="" type="checkbox"/> (ft)
<u>Neuse River</u>	<input type="checkbox"/>	<u>1</u> <input checked="" type="checkbox"/> (mi)
_____	<input type="checkbox"/>	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN			02 DISTANCE TO NEAREST POPULATION	
ONE (1) MILE OF SITE A. <u>Hundreds</u> NO. OF PERSONS	TWO (2) MILES OF SITE B. <u> </u> NO. OF PERSONS	THREE (3) MILES OF SITE C. <u> </u> NO. OF PERSONS	<u>50'</u> (ft)	
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>Hundreds</u>			04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>50'</u> (ft)	

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)*

In the immediate area of the site there only about 10 - 12 residents. (see map)



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980848840

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

Mixed - fill material/in place

02 PERMEABILITY OF BEDROCK (Check one)

N/A

A. IMPERMEABLE (Less than 10^{-8} cm/sec) B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-8}$ cm/sec) C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

unknown (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

2 - 3 (ft)

05 SOIL pH

6.1 - 7.5

06 NET PRECIPITATION

(In)

07 ONE YEAR 24 HOUR RAINFALL

Approx. 4 (In)

08 SLOPE

SITE SLOPE

2 - 3 %

DIRECTION OF SITE SLOPE

to Scotts Creek

TERRAIN AVERAGE SLOPE

1 - 2 %

09 FLOOD POTENTIAL

SITE IS IN Yes YEAR FLOODPLAIN

10

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

N/A

OTHER

A. _____ (mi)

B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

N/A

_____ (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

A. 1 (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES

B. 1 (mi)

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

C. _____ (mi)

D. 1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

This site is on the back of a small residential lot in a small neighborhood that is on the edge of a large creek, Scotts Creek. The area, except along the creeks edge, is gently to non-sloping and the only drinking water well of concern is Mr. Tripp, who lives 50' from the site. Mr. Robinson, whose lot contains the battery casings, has a well in his front yard but is connected to the city water line and doesn't use his well at this time. There are no large groundwater users in the area that would be affected by this site. Very small site.

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

Site Inspection 5-2-84
Rainfall Tables
Site interviews with Tripp - Robinson 5-2 -84



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980848840

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	8	Health Services Lab - Bath Bldg.	3 weeks
VEGETATION		(attached)	5-20-84
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
	Measurements of Probable fill area - distance to nearest well and residence.
	Probable Depth of fill material.

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>N.C. 3012 Solid & Haz. Waste Branch</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>Sketch map of site - in file</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Mr. Robinson & Mr. Tripp were on site during sampling and were interviewed. The site was measured and probable depth of fill was estimated from the soil borings. Large pieces of battery casings prevent the completion of the hole at station "C".

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

Site inspection log 5-2-84
Soil samples 1-8 - on file



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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980848840

II. CURRENT OWNER(S)				PARENT COMPANY (if applicable)			
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
Daniel J. Robinson							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
402 Howell Road							
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
New Bern	NC	28560					
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (if applicable; list most recent first)			
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
Fuller & Hazel Saulter							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE
401 Howell Road							
05 CITY	06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE
New Bern	NC	28560					
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
Henry Scott							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE
402 Howell Road							
05 CITY	06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE
New Bern	NC	28560					
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)

Interview D. J. Robinson 5-2-84 Moore
Telephone interview Mrs. Hazel Saulter 5-21-84 Moore



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NC D980848840

II. CURRENT OPERATOR (Provide if different from owner) OPERATOR'S PARENT COMPANY (if applicable)

01 NAME N/A			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 N/A			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)

N/A



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	0980848840

II. ON-SITE GENERATOR

01 NAME N/A	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 Fuller Saulter	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 401 Howell Road	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY New Bern	06 STATE NC	07 ZIP CODE 28560	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 Henry Scott	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 402 Howell Road	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY New Bern	06 STATE NC	07 ZIP CODE 28560	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)

Telephone interview Mrs. Hazel Saulter 5-21-84 by Moore



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NC D980848840

II PAST RESPONSE ACTIVITIES (Continued)

01 R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 S. CAPPING/COVERING
04 DESCRIPTION

02 DATE Est. 1970's 03 AGENCY Saulter Family

This site was leveled & debris & fill material spread on top
of battery casings.

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 _____

03 AGENCY _____

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

Interview L. E. Tripp 5-2-84 Moore
Telephone Interview Hazel Saulter 5-21-84 Moore



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980848840

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION YES NO

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

None

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



Frank

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

May 18, 1984

Mr. Walton Jones
EPA 3012 Regional Project Officer
Air and Hazardous Materials Division
U. S. Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, Georgia 30365

RE: ERRIS List Additions

Dear Wally:

This letter is to confirm our telephone conversation of May 11, 1984, requesting the ERRIS List additions of the following sites:

Madison County Cyanide Site
Route 2, Box 198 / Hwy 63
Leicester, N. C. 28748

This abandoned site was used for silver extraction from photographic plates using a cyanide leaching process. It has been reported that there are some 50 drums of various waste liquids and solids scattered about the property.

Scotts Creek Battery Site
402 Howell Road
New Bern, N. C. 28560
Craven County

This site involves a residential lot that years ago was filled in along a creek bank with debris that contained bursted battery casings. High levels of lead have been detected in the soil on site.

Preliminary Assessments have been initiated on these sites and will be forwarded upon completion to your office.

If you have questions or need additional information, do not hesitate to contact me.

Sincerely,

Frank E. Moore

Frank E. Moore, Geologist

Solid & Hazardous Waste Management Branch
Environmental Health Section

FEM:jj

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities.

The Site Inspection Report form contains eleven parts:

Part 1 — Site Location and Inspection Information

Part 2 — Waste Information

Part 3 — Description of Hazardous Conditions and Incidents

Part 4 — Permit and Descriptive Information

Part 5 — Water, Demographic, and Environmental Data

Part 6 — Sample and Field Information

Part 7 — Owner Information

Part 8 — Operator Information

Part 9 — Generator/Transporter Information

Part 10— Past Response Activities

Part 11— Enforcement Information

Part 1 — Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage. Instructions are given below.

Part 2 — Waste Information and Part 3 — Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted, or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Ranking Model. The majority of these data items are found in Part 5 — Water, Demographic, and Environmental Data.

General Instructions

1. Complete the Site Inspection Report form as completely as possible.

2. Starred items (*) are required before inspection information can be added to STS. The system will not accept incomplete inspection information.

3. To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, II-09 Coordinates, and II-10, Type of Ownership.

4. Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the

Site Inspection Report form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete) or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

Detailed Instructions

Part 1 Site Location and Inspection Information

I. Identification: Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.

*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.

*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms.

II. Site Name and Location: If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form. However, completing these items will facilitate use of the completed form and records management procedures.

#II-01 Site Name: Enter the legal, common, or descriptive name of the site.

#II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW Jct I-295 & US 99; Post Rd, 5 mi W of Rt. 5.

#II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.

#II-04 Site State: Enter the two character alpha FIPS code for the state in which the site is located. The code must be the same as in item I-01.

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

#II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst can furnish this data item.)

#II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.

*#II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.

#II-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.

III. Inspection Information

*III-01 Date of Inspection: Enter the date the inspection occurred, or began for multiple day inspections.

*III-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.

#III-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of site operation. Check Unknown if years of operation are not known.

*III-04 Agency Performing Inspection: Check the appropriate box(es) to indicate parties participating in the inspection. If contractors participate, provide the name of the firm(s).

III-05 Chief Inspector: Enter the name of the chief, or lead inspector.

III-06 Title: Enter the Chief Inspector's title, e.g., Team Leader, FIT team.

III-07 Organization: Enter the name of the organization where the Chief Inspector is employed, e.g., EPA - Region 4, VA State Health Dept., Environmental Research Co.

III-08 Telephone Number: Enter the Chief Inspector's area code and local commercial telephone number.

III-09 Other Inspectors: Enter the names of other parties participating in the inspection.

III-10 Title: Enter the titles of other parties participating in the inspection.

III-11 Organization: Enter the names of the organizations where other parties participating in the inspection are employed.

III-12 Telephone Number: Enter the area code and local commercial telephone numbers of other parties participating in the inspection.

III-13 Site Representatives Interviewed: Enter the names of individuals representing responsible parties interviewed in connection with the inspection. Interviews do not necessarily occur during the inspection.

III-14 Title: Enter the titles of the individuals interviewed.

III-15 Address: Enter the business, mailing, or residential addresses of the individuals interviewed.

III-16 Telephone Number: Enter the area code and local commercial telephone numbers of the individuals interviewed.

III-17 Access Gained By: Check the appropriate box to indicate whether access to the site was gained through permission or warrant.

III-18 Time of Inspection: Using a 24-hour clock, enter the time the inspection began, e.g., for 3:24 p.m. enter 1524.

III-19 Weather Conditions: Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

IV. Information Available From

IV-01 Contact: Enter the name of the individual who can provide information about the site.

IV-02 Of: If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.

IV-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.

IV-04 Person Responsible for Site Inspection Report Form: Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form. The person responsible for the Site Inspection Report form may be different from the individual who prepared the form.

IV-05 Agency: Enter the name of the Agency where the individual who is responsible for the Site Inspection Report form is employed.

IV-06 Organization: Enter the name of the organization within the Agency.

IV-07 Telephone Number: Enter the area code and local telephone number of the individual who is responsible for the Site Inspection Report form.

IV-08 Date: Enter the date the Site Inspection Report form was prepared.

Part 2 Waste Information

*I. Identification: Refer to Part 1-I.

II. Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

*II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present at the site. If Other is indicated, specify the physical state of the waste.

*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.

*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.

III. Waste Category: General categories of waste typically found are listed here. Enter the estimated gross amount of each category of waste and the appropriate unit of measure.

*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.

*III-02 Unit of Measure: Enter the appropriate unit of measure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount.

III-03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.

IV. Hazardous Substances: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. For each substance listed those data items marked with an "at" sign (@) must be included.

@IV-01 Category: Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).

@IV-02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.

@IV-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".

@IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

IV-05 Concentration: Enter the concentration of the substance found in samples taken at the site.

IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.

V. Feedstocks

V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.

V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.

VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 3 Description of Hazardous Conditions and Incidents

*I. Identification: Refer to Part 1-1.

II. Hazardous Conditions and Incidents:

II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.

II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.

II-03 Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.

II-04 Narrative Description: Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.

II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.

III. Total Population Potentially Affected: Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site. Do not sum the numbers shown for each condition.

IV. Comments: Other information relevant to observed, potential, or alleged hazards may be entered here.

- V. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 4 Permit and Descriptive Information

***I. Identification: Refer to Part 1-I.**

II. Permit Information

- II-01 **Type of Permit Issued:** Check the appropriate box(es) to indicate the types of permits issued to the site. If state, local, or other types of environmental permits have been issued, specify the type.
- II-02 **Permit Number:** Enter the permit number for each issued permit.
- II-03 **Date Issued:** Enter the date each permit was issued.
- II-04 **Expiration Date:** Enter the date each permit expires or expired.
- II-05 **Comments:** Enter any information which further explains the types of permits issued or status of the permits.

III. Site Description

- *III-01 **Storage/Disposal:** Check the appropriate box(es) to indicate the types of storage/disposal facilities found at the site. If Other is checked, specify the type of facility.
- *III-02 **Amount:** Enter the gross amount of waste associated with each type of storage/disposal facility. Amounts may be measured in: metric tons, tons, cubic meters, cubic yards, drums, acres, acre feet, liters, or gallons.
- *III-03 **Unit of Measure:** Enter the appropriate unit of measure for each entry. Units of measure are MT (metric tons), TN (tons), AC (cubic meters), CY (cubic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).
- *III-04 **Treatment:** If waste is treated at the site, check the appropriated box(es) to indicate treatment methods used. If Other is checked, specify treatment method.
- III-05 **Other:** If there are buildings on site, check this box.
- *III-06 **Area of Site:** Enter total area of site in acres.
- III-07 **Comments:** Enter any other pertinent information.

- IV. **Containment:** Containment is a measure of the natural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.

- *IV-01 **Containment of Wastes:** Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances.

- IV-02 **Description of Drums, Diking, Liners, Barriers:** Provide a narrative description of the condition of containment measures at the site, e.g., waste ade-

quately contained, drums rusting and leaking, diking collapsing, liners leaking and contaminants leaching into soil and groundwater.

- V. **Accessibility:** Accessibility is an indicator of the potential for direct contact with hazardous substances.

- *V-01 **Waste Easily Accessible:** If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No.

- V-02 **Comments:** Additional information about accessibility to hazardous waste may be provided.

- VI. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 5 Water, Demographic, and Environmental Data

***I. Identification: Refer to Part 1-I.**

II. Drinking Water Supply

- II-01 **Type of Drinking Water Supply:** Check the appropriate box(es) to indicate the types and sources of drinking water within the vicinity of the site. Community refers to municipal sources. Non-community refers to private sources, e.g., private wells.
- II-02 **Status:** Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the site. Check the appropriate box to indicate if the water supply is being monitored for possible contamination.
- II-03 **Distance to Site:** Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

III. Groundwater

- III-01 **Groundwater Use in Vicinity:** Check the appropriate box to indicate groundwater use in the vicinity of the site. The concern is to indicate the seriousness of groundwater contamination from waste at the site. Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site. Drinking; Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available. Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of water are available. Not used, Unuseable indicates that groundwater use in the area is not critical.

- III-02 **Population Served by Groundwater:** Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

III-03 Distance to Nearest Drinking Water Well: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest drinking water well.

III-04 Depth to Groundwater: Enter the depth in feet to groundwater.

III-05 Depth of Groundwater Flow: Enter the cardinal direction of groundwater flow, e.g., NNW.

III-06 Depth to Aquifer of Concern: Enter the depth in feet to the aquifer of concern.

III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.

III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.

III-09 Description of Wells: Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings.

III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area. Comments provide additional information on the recharge area.

III-11 Discharge Area: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area.

IV. Surface Water

IV-01 Surface Water Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source; Irrigation, Economically Important Reserves; Commercial/Industrial; Not Currently Used.

IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by contaminants from the site. List the body of surface water nearest the site first. For each body of water check Affected if contaminants have been identified in samples of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

V. Demographic and Property Information

V-01 Total Population Within: Enter the total population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the dis-

tance from the site boundary to the nearest population (one person minimum).

V-03 Number of Buildings Within Two (2) Miles of Site: Enter the number of buildings within two miles from the boundaries of the site.

V-04 Distance to Nearest Off-Site Building: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.

V-05 Population in Vicinity of Site: Provide a narrative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area.

VI. Environmental Information

VI-01 Permeability of Unsaturated Zone: Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.

VI-02 Permeability of Bedrock: Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.

VI-03 Depth to Bedrock: Enter the depth to bedrock in feet.

VI-04 Depth of Contaminated Soil Zone: Enter the depth of the contaminated soil zone in feet.

VI-05 Soil pH: Enter the pH of the soil in the vicinity of the site.

VI-06 Net Precipitation: Enter net precipitation in inches. If net precipitation is not known, subtract the average evaporation figure on the U.S. National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation.

VI-07 One Year 24 Hour Rainfall: Enter in inches the figure for one year 24 hour rainfall.

VI-08 Slope: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain average slope.

VI-09 Flood Potential: Enter the boundary year for the floodplain in which the site is located. Sites flooded annually are in a 1 (one) year floodplain. Other examples include 10, 20, 50, 100, 500, etc., indicating the probability of flooding within that time period.

VI-10 Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway: If site is located in one of these areas, check this box.

VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the closest wetlands (five acre minimum) for Estuarine and Other types of wetlands.

VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

of an endangered species. Enter the name(s) of the endangered species.

VI-13 Land Use in Vicinity: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest Commercial/Industrial area; Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land. Prime Ag Land is that crop, pasture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequently considered marginal.

VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include: site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.

VII. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 6 Sample and Field Information

***I. Identification:** Refer to Part 1-I.

II. Samples Taken

II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken.

II-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis.

II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available.

III. Field Measurements Taken

III-01 Type: Enter the type, e.g., radioactivity, explosivity, organic vapor or gas detection and analysis, reagent type gas detection, of each field measurement taken.

III-02 Comments: Describe results of field measurements, whether they were taken on or off site, and if applicable, the type of disposal facility tested, e.g., drum, surface impoundment, landfill.

IV. Photographs and Maps

IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type.

IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs.

IV-03 Maps: Check the appropriate box to indicate that maps of the site area have been prepared or obtained.

IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Materials Division.

V. Other Field Data Collected: Provide a narrative description of any other field data collected.

VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 7 Owner Information

***I. Identification:** Refer to Part 1-I.

II. Current Owner(s) - Parent Company: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7.

II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Where available, enter the owner's D&B (Dun and Bradstreet) number. If the current owner is a federal agency, enter the GSA identification code.

II-03 Street Address: Enter the business, mailing, or residential street address of the owner.

II-04 SIC Code: If applicable, enter the owner's primary SIC Code.

II-05 City: Enter the city of the owner's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the owner's business, mailing, or residential address.

II-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address.

II-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company.

II-09 D&B Number: Enter the parent company's Dun and Bradstreet number.

II-10 Street Address: Enter the business or mailing street address of the parent company.

II-11 SIC Code: If applicable, enter the parent company's primary SIC code.

II-12 City: Enter the city of the parent company's business or mailing address.

II-13 State: Enter the two character alpha FIPS code for the state of the parent company's business or mailing address.

II-14 Zip Code: Enter the five digit zip code for the parent company's business or mailing address.

III. Previous Owner(s): List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7.

III-01 Name: Enter the legal name of the previous owner. The previous owner may have been a firm, government agency, association, individual, etc.

III-02 **D&B Number:** Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

III-03 **Street Address:** Enter the business, mailing, or residential street address of the previous owner.

III-04 **SIC Code:** If applicable, enter the primary SIC Code of the previous owner.

III-05 **City:** Enter the city of the previous owner's business, mailing, or residential address.

III-06 **State:** Enter the two character alpha FIPS code for the state of the previous owner's business, mailing, or residential address.

III-07 **Zip Code:** Enter the zip code of the previous owner's business, mailing, or residential address.

IV. **Realty Owner(s):** Realty owner applies when the owner leased to another entity property which was used for the storage or disposal of hazardous waste. List current or most recent first.

IV-01 **Name:** Enter the legal name of the realty owner. The realty owner may be a firm, government agency, association, individual, etc.

IV-02 **D&B Number:** Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

IV-03 **Street Address:** Enter the realty owner's business, mailing, or residential street address.

IV-04 **SIC Code:** If applicable, enter the realty owner's primary SIC Code.

IV-05 **City:** Enter the city of the realty owner's business, mailing, or residential address.

IV-06 **State:** Enter the two character alpha FIPS code for the state of the realty owner's business, mailing, or residential address.

IV-07 **Zip Code:** Enter the zip code of the realty owner's business, mailing, or residential address.

V. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 8 Operator Information

I. **Identification:** Refer to Part 1-I.

II. **Current Operator—Operator's Parent Company:** Information on operators is applicable when the operator is not the owner.

II-01 **Name:** Enter the legal name of the operator. The operator may be a firm, government agency, association, individual, etc.

II-02 **D&B Number:** Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

II-03 **Street Address:** Enter the operator's business, mailing, or residential street address.

II-04 **SIC Code:** If applicable, enter the operator's primary SIC Code.

II-05 **City:** Enter the city of the operator's business, mailing, or residential address.

II-06 **State:** Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.

II-07 **Zip Code:** Enter the zip code of the operator's business, mailing, or residential address.

II-08 **Years of Operation:** Enter the beginning and ending years (or beginning only if operations are on-going), e.g., 1932/1948, of operation at the site.

II-09 **Name of Owner:** Enter the name of the owner for the period cited for this operator.

II-10 **Name:** If applicable, enter the legal name of the operator's parent company.

II-11 **D&B Number:** Enter the operator's parent company Dun and Bradstreet number if available.

II-12 **Street Address:** Enter the operator's parent company business, mailing, or residential street address.

II-13 **SIC Code:** If applicable, enter the operator's parent company primary SIC Code.

II-14 **City:** Enter the city of the operator's parent company business, mailing, or residential address.

II-15 **State:** Enter the two character alpha FIPS code for the state of the operator's parent company business, mailing, or residential address.

II-16 **Zip Code:** Enter the zip code of the operator's parent company business, mailing, or residential address.

III. **Previous Operator(s)—Previous Operators' Parent Companies**

III-01 **Name:** Enter the legal name of the previous operator. The previous operator may be a firm, government agency, association, individual, etc.

III-02 **D&B Number:** Enter the previous operator's Dun and Bradstreet number if available. If the previous operator was a federal agency, enter the GSA identification code if available.

III-03 **Street Address:** Enter the previous operator's business, mailing, or residential street address.

III-04 **SIC Code:** If applicable, enter the previous operator's primary SIC Code.

III-05 **City:** Enter the city of the previous operator's business, mailing, or residential address.

III-06 **State:** Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address.

III-07 **Zip Code:** Enter the zip code of the previous operator's business, mailing, or residential address.

III-08 **Years of Operation:** Enter the beginning and ending years of operation for this operator at the site.

III-09 **Name of Owner:** Enter the name of the owner for the period cited for this operator.

- III-10 Name: If applicable, enter the legal name of the previous operator's parent company.
- III-11 D&B Number: Enter the previous operator's parent company Dun and Bradstreet number if available.
- III-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.
- III-13 SIC Code: If applicable, enter the previous operator's parent company primary SIC Code.
- III-14 City: Enter the city of the previous operator's parent company business, mailing, or residential address.
- III-15 State: Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address.
- III-16 Zip Code: Enter the zip code of the previous operator's parent company business, mailing, or residential address.

IV. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 9 Generator/Transporter Information

- *I. Identification: Refer to Part 1-I.
- II. On-Site Generator: A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.
- II-01 Name: If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.
- II-02 D&B Number: Where available, enter the on-site generator's D&B (Dun and Bradstreet) number. If the on-site generator is a federal agency, enter the GSA identification code.
- II-03 Street Address: Enter the business or mailing street address of the on-site generator.
- II-04 SIC Code: If applicable, enter the on-site generator's primary SIC Code.
- II-05 City: Enter the city of the on-site generator's business or mailing address.
- II-06 State: Enter the two character alpha FIPS code for the state of the on-site generator's business or mailing address.
- II-07 Zip Code: Enter the five digit zip code for the on-site generator's business or mailing address.
- III. Off-Site Generator(s): Those companies or agencies off-site who have generated waste which has been disposed at the site are listed here.
- III-01 Name: Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.
- III-02 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradstreet) number. If the off-site generator is a federal agency, enter the GSA identification code.

- III-03 Street Address: Enter the business or mailing street address of the off-site generator.
- III-04 SIC Code: If applicable, enter the off-site generator's primary SIC Code.
- III-05 City: Enter the city of the off-site generator's business or mailing address.
- III-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.
- III-07 Zip Code: Enter the five digit zip code for the off-site generator's business or mailing address.

IV. Transporter(s): Those carriers who are known to have transported waste to the site are listed here.

- IV-01 Name: Enter the legal name of the transporter. The transporter may be a firm, government agency, association, individual, etc.
- IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number. If the transporter is a federal agency, enter the GSA identification code.
- IV-03 Street Address: Enter the business, mailing, or residential street address of the transporter.
- IV-04 SIC Code: If applicable, enter the transporter's primary SIC Code.
- IV-05 City: Enter the city of the transporter's business, mailing, or residential address.
- IV-06 State: Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address.
- IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address.

V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 10 Past Response Activities

- *I. Identification: Refer to Part 1-I.
- II. Past Response Activities
- II-01 Past Response Activities: Check the appropriate box(es) to indicate response activities initiated prior to the passage of CERCLA, December, 1980.
- II-02 Date: Enter the start date (or approximate date) of the activity.
- II-03 Agency: Enter the name of the Agency responsible for the activity.
- II-04 Description: Provide a brief narrative description of the activity.
- III. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

SITE INSPECTION REPORT

Part 11 Enforcement Information

I. Identification: Refer to Part 1-1.

II. Enforcement Information

II-01 Past Regulatory/Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site.

II-02 Description of Federal, State, Local Regulatory or Enforcement Action: Provide a narrative description

of regulatory or enforcement action to date. Do not include any enforcement action contemplated in the process of development.

III. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

5-2-89 F. Moore - C. Bird

Time: 9:20

Place: 402 Howell St.

New Bern, N.C.

Site # 25-00000 1001 X

Mr. Robinson talked to:

Fred Wood

Mrs. Brinkley 733-3410

Dr. John Freeman

Envr. Epidemiology - DHS

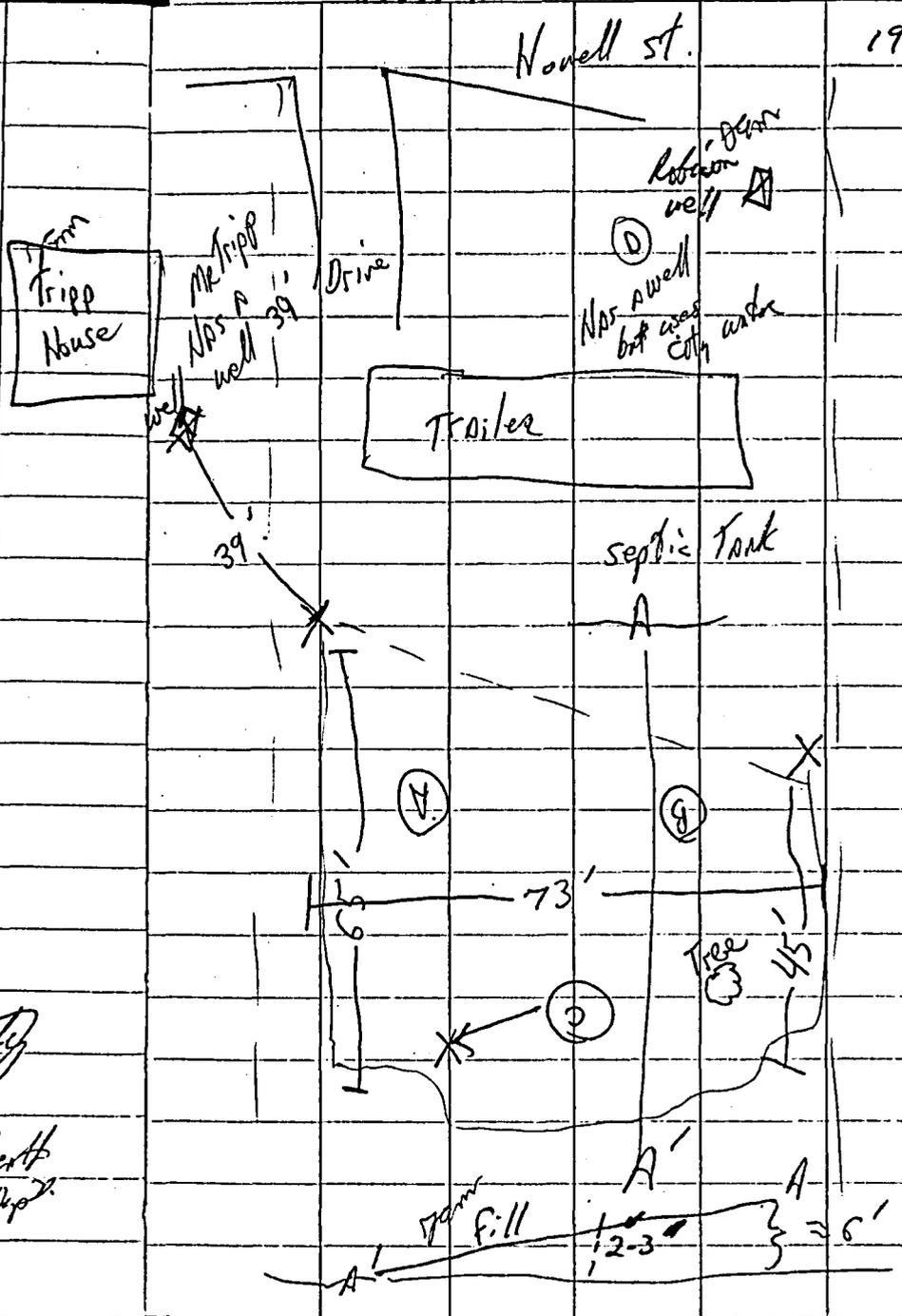
Linwood E. Tripp

404 Howell St.

New Bern, N.C.

has well sampled by County Health Dept. 633-3488

C.H. Hamm, Jr. Crum G. Health Dept.
Mr. Robinson (cont)



STATION "A" 10:45 A.M. Total Depth
 28"-30" Broken BK Battery
 casing & crushed 2'-3"
 stone (Limestone) - Packed
 By a red terri-coner
 drain pipe
 11:40 A.M. end sample
 A1 - 12'-15"
 A2 - 24'-28" (Below fill 5:25-84
 virgin soil 9cm)

STATION "B" 11:45 A.M. Total Depth 28'-30"
 1st 9" yellow-orange
 fine clean sand
 9" to approx. 24" from 5:28-84
 dark
 sandy soil w/ some Battery
 fragments.
 24"-28" possible virgin soil
 11:52 A.M. end sample
 B-1 12'-15"
 B-2 24'-28"

STATION "C" Total 12'-14" (2 holes)
 12:00 PM 1st C-1 - 0'-6" sandy soil
 6'-14" dark sandy soil
 with some water & BK Battery
 casings - Big pieces of Battery
 casing - couldn't dig through
 them.
 2nd C-2 - same as above
 End sampling 12:45 P.M.

- Cleared up -
 Told Mr. Robinson we would
 forward sample results
 in the future.

Note: A Background sample
 was taken in the front
 yard 12:40 P.M. [D-1]



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

I. IDENTIFICATION
01 STATE NC 02 SITE NUMBER 980848840

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) **Scotts Creek Battery Site** 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER **402 Howell Road**

03 CITY **New Bern** 04 STATE **NC** 05 ZIP CODE **28560** 06 COUNTY **Craven** 07 COUNTY CODE **025** 08 CONG DIST **01**

09 COORDINATES LATITUDE **35/05/20** LONGITUDE **077/02/370**

10 DIRECTIONS TO SITE (Starting from nearest public road):
(map attached)

III. RESPONSIBLE PARTIES

01 OWNER (if known) **Daniel J. Robinson** 02 STREET (Business, mailing, residential) **402 Howell Road**

03 CITY **New Bern** 04 STATE **NC** 05 ZIP CODE **28560** 06 TELEPHONE NUMBER **(919) 637-3444**

07 OPERATOR (if known and different from owner) **None** 08 STREET (Business, mailing, residential)

09 CITY 10 STATE 11 ZIP CODE 12 TELEPHONE NUMBER

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 (RCRA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION YES DATE **5/2/84** 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 UNKNOWN
BEGINNING YEAR _____ ENDING YEAR _____

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Mr. Robinson moved from New Jersey to New Bern in 1983. He purchased this lot & trailer from Fuller & Hazel Saulter at 401 Howell Road, In the fall of 83, Mr. Robinson discovered the broken battery casings while clearing weeds. He later found out that Mr. Saulter used to run a junkyard and battery recycling

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
business and that many years ago (9-15?) Mr. Saulter had disposed of the borken battery casings & soil at 402 Howell Rd. to fill-in a low area along the creek. Soil samples show the presence of high lead in the area of fill. Mr. Robinson was advised to avoid the area & not plant a garden in the fill

V. PRIORITY ASSESSMENT area. No adverse impact to the creek was apparent, possibly due to the small area of fill.
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Constituents and include):
 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 **Terry Dover, Eastern Super.** 02 OF (Agency/Organization) **NC DHR S & HW Branch** 03 TELEPHONE NUMBER **(919) 733-2178**

04 PERSON RESPONSIBLE FOR ASSESSMENT **O. W. Strickland** 05 AGENCY **NC DHR** 06 ORGANIZATION **S & HW Br.** 07 TELEPHONE NUMBER **(919) 733-2178** 08 DATE **5/17/84** MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____

02 OBSERVED (DATE: 5-2-84)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

None reported - discharge area - along Scotts Creek
Not likely to present a problem for groundwater

01 B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____

02 OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

No apparent problem - large volume creek

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: 1

02 OBSERVED (DATE: 5-2-84)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

Mr. Robinson advised to avoid area & not to plant a garden in the fill area.

01 F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 1/8
(ACRES)

02 OBSERVED (DATE: 5-2-84)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

Estimated area of fill is 60' x 70' x 2'

01 G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 6

02 OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

None reported or detected in sampling of water wells in area by Craven Co. Health Dept.

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



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

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

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

N/A

01 K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

None detected or reported
Possible accumulation in tissue of aquatic fauna

01 L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

Not likely, as the creek is not generally regarded as a fishing place.

01 M. UNSTABLE CONTAINMENT OF WASTES
(Solid waste/leaking liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: 1

02 OBSERVED (DATE: 5-2-84) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Lead and battery casings used as fill material. Mr. Robinson is the only person living at the site, and only his lot is affected.

01 N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

None noted -

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

N/A

01 P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

Probably was illegal to dump next to creek.

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

None - No children in the neighborhood.

III TOTAL POPULATION POTENTIALLY AFFECTED: 4 - 6

IV. COMMENTS

Mr. Robinson and neighbors were checked for lead, burden by Craven Co. Health Dept., no problem. The drinking water well of closest neighbor, Lenwood Tripp, was also checked - O.K. Mr. Robinson has not done his part to correct the situation - legal

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

Same Sources as sited previously - Page 2

CST

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number TBA # 2500000/001 X Field Sample Number 000551
 Name of Site Robinson's Battery Site Site Location 402 Howell St. - New Bern, N.C.
 Collected By Moore - Bird ID# _____ Date Collected 5-2-84 Time 10:35 A.M.
 Type of Sample:

Environmental Concentrate
 Groundwater Solid
 Surface Water Liquid
 Soil Sludge
 Other Other

Comments
Surface Composite 1"-6" from STATIONS A, B & C

INORGANIC CHEMISTRY

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
Arsenic	_____	Arsenic	_____	Chloride	_____
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input checked="" type="checkbox"/> Barium	<u>9.9</u>	Conductivity	_____
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.5</u>	Copper	_____
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.5</u>	Fluoride	_____
<input checked="" type="checkbox"/> Lead	<u>0.2</u>	<input checked="" type="checkbox"/> Lead	<u>1300</u>	Iron	_____
Mercury	_____	<input checked="" type="checkbox"/> Mercury	_____	Manganese	_____
Selenium	_____	Selenium	_____	Nitrate	_____
Silver	_____	Silver	_____	<input checked="" type="checkbox"/> pH	<u>6.8</u>
<input checked="" type="checkbox"/> Zn	<u>0.14</u>	<input checked="" type="checkbox"/> Zn	<u>30.7</u>	Sulfates	_____
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>4.9</u>	TDS	_____
_____	_____	_____	_____	Zinc	_____
_____	_____	_____	_____	TOC	_____

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
Endrin	_____	Toxaphene	_____	PCB's	_____
Lindane	_____	2,4-D	_____	Petroleum	_____
Methoxychlor	_____	2,4,5-TP(Silvex)	_____	EDB	_____
_____	_____	_____	_____	TOX	_____
_____	_____	_____	_____	_____	_____

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l
(MF) Coliform Colonies/100mls	Gross Alpha	_____
(MPN) Coliform Colonies/100mls	Gross Beta	_____
_____	_____	_____
_____	_____	_____

Date Received _____ Date Reported 16 May 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 34113 MAY 384

EST

N. C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
STATE LABORATORY OF PUBLIC HEALTH
P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number # 25-00000/001 X Field Sample Number 000552
Name of Site Robinson's Battery Site Site Location 402 Howell St. New Bern
Collected By Moore-Bird ID# _____ Date Collected 5-2-84 Time 10:55

Type of Sample:

Environmental
 Groundwater
 Surface Water
 Soil
 Other

Concentrate
 Solid
 Liquid
 Sludge
 Other

Comments
Subsurface 12"-15" Station A-1

INORGANIC CHEMISTRY

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Arsenic	—	— Arsenic	—	— Chloride	—
✓ Barium	<u>0.3</u>	✓ Barium	<u>34</u>	— Conductivity	—
✓ Cadmium	<u><0.05</u>	✓ Cadmium	<u><2.4</u>	— Copper	—
✓ Chromium	<u><0.05</u>	✓ Chromium	<u><2.4</u>	— Fluoride	—
✓ Lead	<u>11.0</u>	✓ Lead	<u>7800</u>	— Iron	—
✓ Mercury	—	✓ Mercury	—	— Manganese	—
— Selenium	—	— Selenium	—	— Nitrate	—
— Silver	—	— Silver	—	✓ pH	<u>7.4</u>
✓ Zn	<u>0.62</u>	✓ Zn	<u>75.6</u>	— Sulfates	—
✓ Cu	<u><0.05</u>	✓ Cu	<u>23</u>	— TDS	—
—	—	—	—	— Zinc	—
—	—	—	—	— TOC	—

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Endrin	—	— Toxaphene	—	— PCB's	—
— Lindane	—	— 2,4-D	—	— Petroleum	—
— Methoxychlor	—	— 2,4,5-TP(Silvex)	—	— EDB	—
—	—	—	—	— TOX	—
—	—	—	—	—	—

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l'
— (MF) Coliform Colonies/100mls	— Gross Alpha	—
— (MPN) Coliform Colonies/100mls	— Gross Beta	—
—	—	—
—	—	—

Date Received _____ Date Reported 16 May 84
Date Extracted _____ Date Analyzed _____
Reported By _____ Lab Number 34114 MAY 384

CST

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number # 25-00000/001 X Field Sample Number 000553
 Name of Site Robinson's Battery Site Site Location 402 Howell St. New Bern
 Collected By Moore-Bird ID# _____ Date Collected 5/2/84 Time 11:00

Type of Sample:

Environmental	Concentrate	Comments <u>Subsurface 24"-28" Station A-2</u>
<input type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Solid	
<input type="checkbox"/> Surface Water	<input type="checkbox"/> Liquid	
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sludge	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	

INORGANIC CHEMISTRY

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
Asenic		Asenic		Chloride	
<input checked="" type="checkbox"/> Barium	<u>0.4</u>	<input checked="" type="checkbox"/> Barium	<u>24</u>	Conductivity	
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.4</u>	Copper	
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.4</u>	Fluoride	
<input checked="" type="checkbox"/> Lead	<u>2.7</u>	<input checked="" type="checkbox"/> Lead	<u>1600</u>	Iron	
<input checked="" type="checkbox"/> Mercury		<input checked="" type="checkbox"/> Mercury		Manganese	
Selenium		Selenium		Nitrate	
Silver		Silver		<input checked="" type="checkbox"/> pH	<u>7.5</u>
<input checked="" type="checkbox"/> Zn	<u>1.87</u>	<input checked="" type="checkbox"/> Zn	<u>107</u>	Sulfates	
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>18.4</u>	TDS	
				Zinc	
				TOC	

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
Endrin		Toxaphene		PCB's	
Lindane		2,4-D		Petroleum	
Methoxychlor		2,4,5-TP(Silvex)		EDB	
				TOX	

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results pCi/l
(MF) Coliform Colonies/100mls	Gross Alpha	
(MPN) Coliform Colonies/100mls	Gross Beta	

Date Received _____ Date Reported 16 May 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 34115 MAY 384

QST

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-00000/001 X Field Sample Number 000554
 Name of Site Robinson's Battery Site Site Location 402 Howell St. New Bern
 Collected By Moore-Bird ID# _____ Date Collected 5/2/84 Time ~~10:00~~ 11:30

Type of Sample:

Environmental	Concentrate	Comments
<input type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Solid	<u>Subsurface 12"-15" Station B-1</u>
<input type="checkbox"/> Surface Water	<input type="checkbox"/> Liquid	_____
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sludge	_____
<input type="checkbox"/> Other	<input type="checkbox"/> Other	_____

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Arsenic	_____	— Arsenic	_____	— Chloride	_____
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input checked="" type="checkbox"/> Barium	<u>19</u>	— Conductivity	_____
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.4</u>	— Copper	_____
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.4</u>	— Fluoride	_____
<input checked="" type="checkbox"/> Lead	<u>1.0</u>	<input checked="" type="checkbox"/> Lead	<u>5800</u>	— Iron	_____
<input checked="" type="checkbox"/> Mercury	_____	<input checked="" type="checkbox"/> Mercury	_____	— Manganese	_____
— Selenium	_____	— Selenium	_____	— Nitrate	_____
— Silver	_____	— Silver	_____	<input checked="" type="checkbox"/> pH	<u>7.1</u>
<input checked="" type="checkbox"/> Zn	<u>0.20</u>	<input checked="" type="checkbox"/> Zn	<u>48</u>	— Sulfates	_____
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>18</u>	— TDS	_____
_____	_____	_____	_____	— Zinc	_____
_____	_____	_____	_____	— TOC	_____

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Endrin	_____	— Toxaphene	_____	— PCB's	_____
— Lindane	_____	— 2,4-D	_____	— Petroleum	_____
— Methoxychlor	_____	— 2,4,5-TP(Silvex)	_____	— EDB	_____
_____	_____	_____	_____	— TOX	_____
_____	_____	_____	_____	_____	_____

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l'
— (MF) Coliform Colonies/100mls	— Gross Alpha	_____
— (MPN) Coliform Colonies/100mls	— Gross Beta	_____
_____	_____	_____
_____	_____	_____

Date Received _____ Date Reported 16 May 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 34116 MAY 384

CST

C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
STATE LABORATORY OF PUBLIC HEALTH
P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-000001001 X Field Sample Number 000555
Name of Site Robinson's Battery Site Site Location 402 Howell St. New Bern
Collected By Moore-Bird ID# _____ Date Collected 5/2/84 Time 11:45

Type of Sample:

- | | |
|--|---|
| <input type="checkbox"/> Environmental | <input type="checkbox"/> Concentrate |
| <input type="checkbox"/> Groundwater | <input checked="" type="checkbox"/> Solid |
| <input type="checkbox"/> Surface Water | <input type="checkbox"/> Liquid |
| <input checked="" type="checkbox"/> Soil | <input type="checkbox"/> Sludge |
| <input type="checkbox"/> Other | <input type="checkbox"/> Other |

Comments Subsurface 24"-28" Station ~~B-2~~ B-2

INORGANIC CHEMISTRY

Extractables		Total		Parameter	Results mg/l
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Arsenic	—	— Arsenic	—	— Chloride	—
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input checked="" type="checkbox"/> Barium	<u>100</u>	— Conductivity	—
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.4</u>	— Copper	—
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.4</u>	— Fluoride	—
<input checked="" type="checkbox"/> Lead	<u><0.1</u>	<input checked="" type="checkbox"/> Lead	<u>62</u>	— Iron	—
<input checked="" type="checkbox"/> Mercury	—	<input checked="" type="checkbox"/> Mercury	—	— Manganese	—
— Selenium	—	— Selenium	—	— Nitrate	—
— Silver	—	— Silver	—	<input checked="" type="checkbox"/> pH	<u>7.1</u>
<input checked="" type="checkbox"/> Zn	<u>0.08</u>	<input checked="" type="checkbox"/> Zn	<u>66.5</u>	— Sulfates	—
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>4.8</u>	— TDS	—
—	—	—	—	— Zinc	—
—	—	—	—	— TOC	—

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
— Endrin	—	— Toxaphene	—	— PCB's	—
— Lindane	—	— 2,4-D	—	— Petroleum	—
— Methoxychlor	—	— 2,4,5-TP(Silvex)	—	— EDB	—
—	—	—	—	— TOX	—
—	—	—	—	—	—

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l
— (MF) Coliform Colonies/100mls	— Gross Alpha	—
— (MPN) Coliform Colonies/100mls	— Gross Beta	—
—	—	—
—	—	—

Date Received _____ Date Reported 16 May 84
Date Extracted _____ Date Analyzed _____
Reported By _____ Lab Number 34117 MAY 384

CST

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-000001001 X Field Sample Number 000556
 Name of Site Robinson Battery Site Site Location 402 Howell St. New Bern
 Collected By Moore-Bird ID# _____ Date Collected 5-2-84 Time 12:00

Type of Sample:

Environmental Concentrate
 Groundwater Solid
 Surface Water Liquid
 Soil Sludge
 Other Other

Comments
Subsurface Sample 12-15" C-1

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Arsenic		<input type="checkbox"/> Arsenic		<input type="checkbox"/> Chloride	
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input checked="" type="checkbox"/> Barium	<u>4.7</u>	<input type="checkbox"/> Conductivity	
<input type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.4</u>	<input type="checkbox"/> Copper	
<input type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.4</u>	<input type="checkbox"/> Fluoride	
<input checked="" type="checkbox"/> Lead	<u>0.3</u>	<input checked="" type="checkbox"/> Lead	<u>1000</u>	<input type="checkbox"/> Iron	
<input checked="" type="checkbox"/> Mercury		<input checked="" type="checkbox"/> Mercury		<input type="checkbox"/> Manganese	
<input type="checkbox"/> Selenium		<input type="checkbox"/> Selenium		<input type="checkbox"/> Nitrate	
<input type="checkbox"/> Silver		<input type="checkbox"/> Silver		<input checked="" type="checkbox"/> pH	<u>7.1</u>
<input checked="" type="checkbox"/> Zn	<u>0.22</u>	<input checked="" type="checkbox"/> Zn	<u>24</u>	<input type="checkbox"/> Sulfates	
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>9.9</u>	<input type="checkbox"/> TDS	
				<input type="checkbox"/> Zinc	
				<input type="checkbox"/> TOC	

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Endrin		<input type="checkbox"/> Toxaphene		<input type="checkbox"/> PCB's	
<input type="checkbox"/> Lindane		<input type="checkbox"/> 2,4-D		<input type="checkbox"/> Petroleum	
<input type="checkbox"/> Methoxychlor		<input type="checkbox"/> 2,4,5-TP(Silvex)		<input type="checkbox"/> EDB	
				<input type="checkbox"/> TOX	

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l'
<input type="checkbox"/> (MF) Coliform Colonies/100mls	<input type="checkbox"/> Gross Alpha	
<input type="checkbox"/> (MPN) Coliform Colonies/100mls	<input type="checkbox"/> Gross Beta	

Date Received _____ Date Reported 16 May 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 34118 MAY 384

N. C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
STATE LABORATORY OF PUBLIC HEALTH
P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-00000 1001 X Field Sample Number 000557
Name of Site Robinson Battery Site Site Location 402 Howell St. New Bern
Collected By Moore-Bird ID# _____ Date Collected 5/2/84 Time 12:05

Type of Sample:

Environmental
 Groundwater
 Surface Water
 Soil
 Other

Concentrate
 Solid
 Liquid
 Sludge
 Other

24-28" Comments
Subsurface sample Station C-2

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input checked="" type="checkbox"/> Arsenic		<input type="checkbox"/> Arsenic		<input type="checkbox"/> Chloride	
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input type="checkbox"/> Barium	<u><4.8</u>	<input type="checkbox"/> Conductivity	
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input type="checkbox"/> Cadmium	<u><2.4</u>	<input type="checkbox"/> Copper	
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.4</u>	<input type="checkbox"/> Fluoride	
<input checked="" type="checkbox"/> Lead	<u>0.1</u>	<input checked="" type="checkbox"/> Lead	<u>360</u>	<input type="checkbox"/> Iron	
<input checked="" type="checkbox"/> Mercury		<input checked="" type="checkbox"/> Mercury		<input type="checkbox"/> Manganese	
<input type="checkbox"/> Selenium		<input type="checkbox"/> Selenium		<input type="checkbox"/> Nitrate	
<input type="checkbox"/> Silver		<input type="checkbox"/> Silver		<input checked="" type="checkbox"/> pH	<u>6.7</u>
<input checked="" type="checkbox"/> Zn	<u>0.18</u>	<input checked="" type="checkbox"/> Zn	<u>22.7</u>	<input type="checkbox"/> Sulfates	
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u><2.4</u>	<input type="checkbox"/> TDS	
				<input type="checkbox"/> Zinc	
				<input type="checkbox"/> TOC	

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Endrin		<input type="checkbox"/> Toxaphene		<input type="checkbox"/> PCB's	
<input type="checkbox"/> Lindane		<input type="checkbox"/> 2,4-D		<input type="checkbox"/> Petroleum	
<input type="checkbox"/> Methoxychlor		<input type="checkbox"/> 2,4,5-TP(Silvex)		<input type="checkbox"/> EDB	
				<input type="checkbox"/> TOX	

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l'
<input type="checkbox"/> (MF) Coliform Colonies/100mls	<input type="checkbox"/> Gross Alpha	
<input type="checkbox"/> (MPN) Coliform Colonies/100mls	<input type="checkbox"/> Gross Beta	

Date Received _____ Date Reported 16 May 84
Date Extracted _____ Date Analyzed _____
Reported By _____ Lab Number 34119 MAY 384

CST

N. C. DEPARTMENT OF HUMAN RESOURCES
 DIVISION OF HEALTH SERVICES
 STATE LABORATORY OF PUBLIC HEALTH
 P. O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Site Number 25-000001001 X Field Sample Number 000558
 Name of Site Robinson's Battery Site Site Location 402 Howell St. New Bern
 Collected By Mood-Burd ID# _____ Date Collected 5/2/84 Time 12:35

Type of Sample:

Environmental	Concentrate	Comments <u>Front yard D-1</u>
<input type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Solid	
<input type="checkbox"/> Surface Water	<input type="checkbox"/> Liquid	
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sludge	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Arsenic	_____	<input type="checkbox"/> Arsenic	_____	<input type="checkbox"/> Chloride	_____
<input checked="" type="checkbox"/> Barium	<u>0.2</u>	<input checked="" type="checkbox"/> Barium	<u>9.8</u>	<input type="checkbox"/> Conductivity	_____
<input checked="" type="checkbox"/> Cadmium	<u><0.05</u>	<input checked="" type="checkbox"/> Cadmium	<u><2.5</u>	<input type="checkbox"/> Copper	_____
<input checked="" type="checkbox"/> Chromium	<u><0.05</u>	<input checked="" type="checkbox"/> Chromium	<u><2.5</u>	<input type="checkbox"/> Fluoride	_____
<input checked="" type="checkbox"/> Lead	<u><0.1</u>	<input checked="" type="checkbox"/> Lead	<u><4.9</u>	<input type="checkbox"/> Iron	_____
<input checked="" type="checkbox"/> Mercury	_____	<input checked="" type="checkbox"/> Mercury	_____	<input type="checkbox"/> Manganese	_____
<input type="checkbox"/> Selenium	_____	<input type="checkbox"/> Selenium	_____	<input type="checkbox"/> Nitrate	_____
<input type="checkbox"/> Silver	_____	<input type="checkbox"/> Silver	_____	<input checked="" type="checkbox"/> pH	<u>6.1</u>
<input checked="" type="checkbox"/> Zn	<u>0.08</u>	<input checked="" type="checkbox"/> Zn	<u>11.3</u>	<input type="checkbox"/> Sulfates	_____
<input checked="" type="checkbox"/> Cu	<u><0.05</u>	<input checked="" type="checkbox"/> Cu	<u>2.5</u>	<input type="checkbox"/> TDS	_____
_____	_____	_____	_____	<input type="checkbox"/> Zinc	_____
_____	_____	_____	_____	<input type="checkbox"/> TOC	_____

ORGANIC CHEMISTRY

Parameter	Results mg/l	Parameter	Results mg/l	Parameter	Results mg/l
<input type="checkbox"/> Endrin	_____	<input type="checkbox"/> Toxaphene	_____	<input type="checkbox"/> PCB's	_____
<input type="checkbox"/> Lindane	_____	<input type="checkbox"/> 2,4-D	_____	<input type="checkbox"/> Petroleum	_____
<input type="checkbox"/> Methoxychlor	_____	<input type="checkbox"/> 2,4,5-TP(Silvex)	_____	<input type="checkbox"/> EDB	_____
_____	_____	_____	_____	<input type="checkbox"/> TOX	_____
_____	_____	_____	_____	_____	_____

MICROBIOLOGY

RADIOCHEMISTRY

Parameter	Parameter	Results PCi/l'
<input type="checkbox"/> (MF) Coliform Colonies/100mls	<input type="checkbox"/> Gross Alpha	_____
<input type="checkbox"/> (MPN) Coliform Colonies/100mls	<input type="checkbox"/> Gross Beta	_____
_____	_____	_____
_____	_____	_____

Date Received _____ Date Reported 16 May 84
 Date Extracted _____ Date Analyzed _____
 Reported By _____ Lab Number 34120 MAY 384

Soil & Hazardous Waste Management Branch
Division of Health Services
N.C. Department of Human Resources
P.O. Box 2091, Raleigh, N.C. 27602

CHAIN OF CUSTODY RECORD
Hazardous Waste Materials

Location of Sampling: Generator Transporter Treatment Facility
 Storage Facility Disposal Facility Landfill

Other: Battery Casings Dump

Company's Name MR. D.J. ROBINSON Telephone (919) 637-3444

Address 402 Howell St. New Bern NC 28560
number street city state zip

Collector's Name Frank E. Moore Telephone (919) 733-2178
signature

Date Sample 5-2-84 Time Sampled 9-12 NOON hours

Type of Process Generating Waste Battery Recharges Dump

Field Information (sketch sampling location on back)

Soil Samples for Metals (8 samples from 4 stations)

Field Sample No. 000551 -552 -553 -554 -555 -556 -557
000558

Chain of Possession

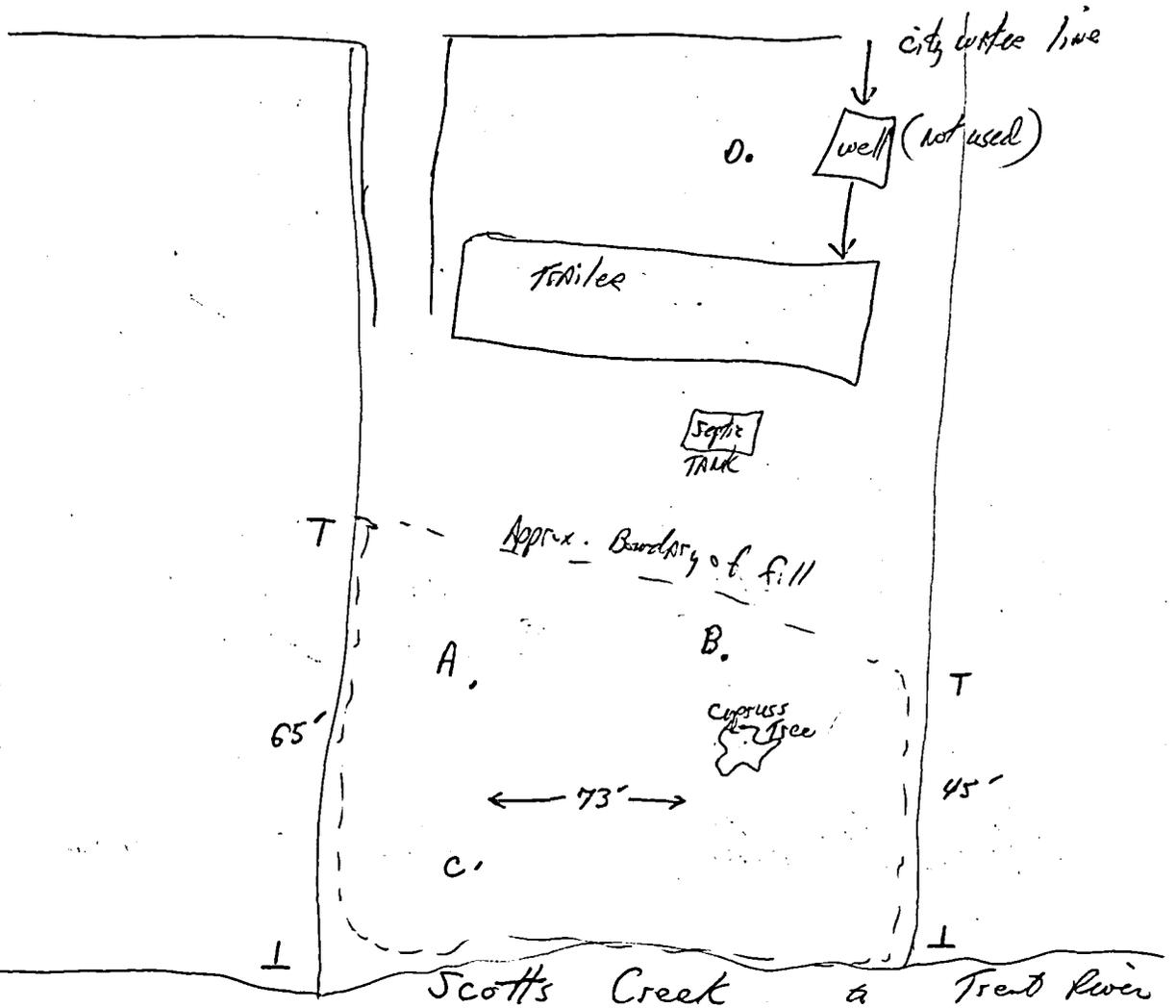
- | | | | |
|----|------------------------------------|------------------------------------|---|
| 1. | <u>Frank E. Moore</u>
signature | <u>Geologist</u>
title | <u>5-2-84 - 5-3-84</u>
inclusive dates |
| 2. | <u>M. C. Walker</u>
signature | <u>Analytical Chemist</u>
title | <u>3 May 84</u>
inclusive dates |
| 3. | _____
signature | _____
title | _____
inclusive dates |

Results Reported

M. C. Walker Analytical Chemist 16 May 84
signature title date



Howell Street



city water line

D. well (not used)

Fertile

Septic TANK

Approx. Boundary of fill

A.

B.

Cypress Tree

73'

65'

45'

Scott's Creek & Trent River



4/17/84

Mr. O. W. Strickland.

I bought a Mobile Home at
402 Howell Rd., New Bern, N.C.
28560 from Fuller & Hazel
Saulter 401 Howell Rd., New Bern.

Said property was purchased
through Mc Cotter Rains and
Associates Inc. 1307 S. Glen-
burnie Road, New Bern.

Unknown to me the rear property
was land filled with battery
cases which ~~was~~ contained lead
and acid. I took six samples of
soil that are on record at the
Solid Waste & Hazardous Waste
Environmental Health Section.
Samples were taken 10-8-83.

I called Mr. Terry Dover Eastern
area supervisor and he told me
to write to you. I was told not

To dig or stay in said area
for any length of time. I would
appreciate any assistance in
helping me. The only thing I do
now is mow the grass in said
area.

Thanking You.
Daniel J. Robinson
402 Howell Rd.
New Bern, N.C.
28560
Tel. 1-637-3444.

SAMPLE COLLECTION

- 1) Remove the one 1-gallon plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times with the water.
- 4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

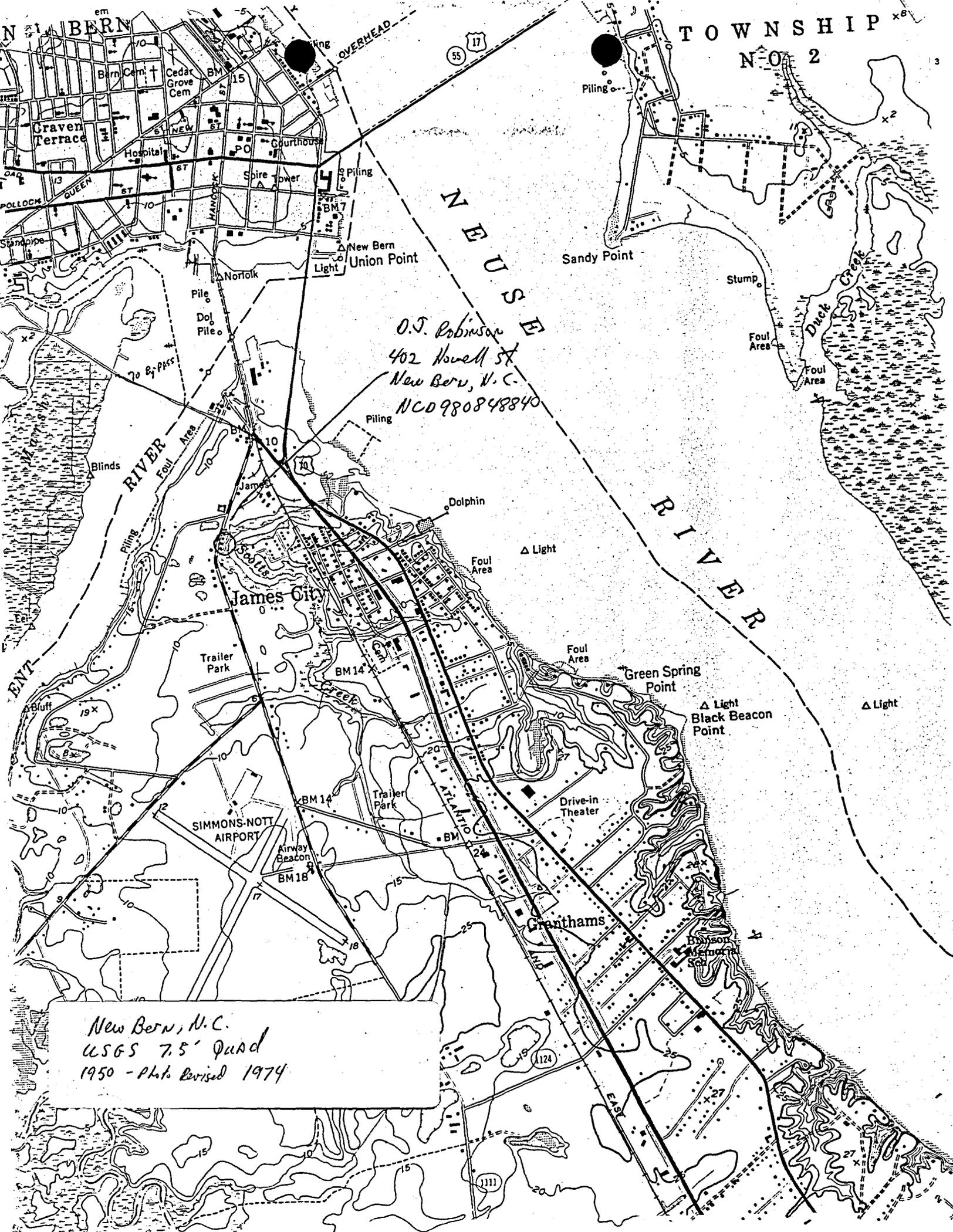
SAMPLE SHIPMENT

- 1) After collection of the sample, place the one 1-gallon sample into the cardboard box along with the report form, then seal.
- 2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW

Color	15 units	Chlorine	No established limits
pH	Not less than 6.5 units	Magnesium	No established limits
Alkalinity	No established limits	Fluoride	Temperature Dependent
Hardness	No established limits	Arsenic	0.05 mg/l
Iron	0.30 mg/l	Lead	0.05 mg/l
Manganese	0.05 mg/l	Zinc	5.00 mg/l
Turbidity	5 units	Copper	1.00 mg/l
Chloride	250 mg/l		

FOR LABORATORY USE ONLY



TOWNSHIP N-0 2

O.J. Robinson
402 Howell St
New Bern, N.C.
NCD 980848840

New Bern, N.C.
USGS 7.5' Quad
1950 - Photo Revised 1974



Jerry

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

October 31, 1983

Mr. D. J. Robinson
402 Howell Road
New Bern, N. C. 28560

Dear Mr. Robinson:

Enclosed please find copies of analyses of samples which you collected on 10-8-83. Please be assured that this office has placed your site on our Superfund evaluation list which should be prioritized and fully investigated during 1984.

If you so desire, we recommend that you apply agricultural lime to the suspected area at a rate of approximately one ton per acre. This should raise the pH of the soil which will tie up the lead, decreasing its solubility. Additionally, access should be controlled to the area.

Please contact us if you have any further questions.

Sincerely,

Terry F. Dover

Terry F. Dover, Eastern Area Supervisor
Solid & Hazardous Waste Management Branch
Environmental Health Section

TFD:ct

Enclosures

cc: C. H. Hamm
Fred Wood
Bill Meyer
Tom Karnoski

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Mr. ROBINSON
 Address: NEW BERN
 _____ Zip _____
 County: _____
 Report To: MASCO
 Address: SOLID & HAZ WASTE UNIT
 _____ Zip _____
 Telephone Number: () - _____
 Collected By: ROBINSON
 Date Collected: 10/8/83 Time _____ AM/PM
 Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
5	10"
<u>6</u>	10"

LEAD TOTAL & SET.
 pH

	Extractable Metals		Results expressed in ppm unless otherwise indicated.	Results
	Total	Extr. Results		
✓ Total Metals				
Arsenic			Solids, dissolved	
Barium			Solids, suspended	
Cadmium			Solids, total	
Chloride			Solids, total volatile	
Chromium			Spec. Conductivity	
Color			Zinc	
Copper			Endrin	
Flammability			Lindane	
Fluoride			Methoxychlor	
Iron			Toxaphene	
✓ Lead	4000	0.2	2,4-D	
Manganese			2,4,5-TP	
Mercury				
Nitrate				
✓ pH	7.1			
Selenium				
Silver				

Date Received _____ Date Reported 25 Oct 83 Reported By _____
 Laboratory Number 19888 OCT 2 83

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Mr. ROBINSON

Address: NEW BERN

Zip

County: _____

Report To: Messa

Address: Solid & Hazardous Waste Unit

Zip

Telephone Number: () -

Collected By: Robinson

Date Collected: 10/8/83 Time AM
PM

Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
<u>5</u>	10"
6	10"

LEAD TOTAL & SAT.
 pH

	Total		Results	Results expressed in ppm unless otherwise indicated.	
	Total	Extr. Results		Results	Results
<input checked="" type="checkbox"/> Extractable Metals					
<input checked="" type="checkbox"/> Total Metals					
Arsenic				Solids, dissolved	
Barium				Solids, suspended	
Cadmium				Solids, total	
Chloride				Solids, total volatile	
Chromium				Spec. Conductivity	
Color				Zinc	
Copper				Endrin	
Flammability				Lindane	
Fluoride				Methoxychlor	
Iron				Toxaphene	
<input checked="" type="checkbox"/> Lead	3700	0.3		2,4-D	
Manganese				2,4,5-TP	
Mercury					
Nitrate					
<input checked="" type="checkbox"/> pH	6.8				
Selenium					
Silver					

Date Received _____ Date Reported 25 Oct 83 Reported By _____

Laboratory Number 19887 OCT 12 83

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST. RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: MR. ROBINSON

Address: NEW BERN

 _____ Zip _____

County: _____

Report To: WASSER

Address: SOLID & LIQ WASTE UNIT

 _____ Zip _____

Telephone Number: () - -

Collected By: ROBINSON

Date Collected: 10/8/83 Time _____ AM
 _____ PM

Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
5	10"
6	10"

LEAD TOTAL & SET.
 pH

	Total	Extr. Results	Results expressed in ppm unless otherwise indicated.	Results
<input checked="" type="checkbox"/> Extractable Metals				
<input checked="" type="checkbox"/> Total Metals				
Arsenic			Solids, dissolved	
Barium			Solids, suspended	
Cadmium			Solids, total	
Chloride			Solids, total volatile	
Chromium			Spec. Conductivity	
Color			Zinc	
Copper			Endrin	
Flammability			Lindane	
Fluoride			Methoxychlor	
Iron			Toxaphene	
✓ Lead	9900	2.6	2,4-D	
Manganese			2,4,5-TP	
Mercury				
Nitrate				
✓ pH	6.8			
Selenium				
Silver				

Date Received _____ Date Reported 25 Oct 83 Reported By _____

Laboratory Number 19886 OCT 12 83

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Mr. ROBINSON
 Address: NEW BERN
 Zip: _____
 County: _____
 Report To: MEYER
 Address: SOLID & LIQ. WASTE UNIT
 Zip: _____
 Telephone Number: () - _____
 Collected By: ROBINSON
 Date Collected: 10/8/83 Time _____ AM/PM
 Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
5	10"
6	10"

LEAD TOTAL & SET.
 pH

	Total		Results	Results expressed in ppm unless otherwise indicated,	Results
	Extractable Metals	Total Metals			
Arsenic				Solids, dissolved	
Barium				Solids, suspended	
Cadmium				Solids, total	
Chloride				Solids, total volatile	
Chromium				Spec. Conductivity	
Color				Zinc	
Copper				Endrin	
Flammability				Lindane	
Fluoride				Methoxychlor	
Iron				Toxaphene	
✓ Lead		3000	0.8	2,4-D	
Manganese				2,4,5-TP	
Mercury					
Nitrate					
✓ pH		6.7			
Selenium					
Silver					

Date Received _____ Date Reported 25 Oct 83 Reported By _____
 Laboratory Number 19885 OCT 12 83

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Mr. ROBINSON

Address: NEW BERN

 _____ Zip _____

County: _____

Report To: MEYER

Address: SOLID & LIQ WASTE UNIT

 _____ Zip _____

Telephone Number: () - _____

Collected By: ROBINSON

Date Collected: 10/8/83 Time _____ AM
 _____ PM

Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
5	10"
6	10"

LEAD TOTAL & SET.
 pH

	Total		Results	Results expressed in ppm unless otherwise indicated.	Results
	Extractable Metals	Total Metals			
Arsenic				Solids, dissolved	
Barium				Solids, suspended	
Cadmium				Solids, total	
Chloride				Solids, total volatile	
Chromium				Spec. Conductivity	
Color				Zinc	
Copper				Endrin	
Flammability				Lindane	
Fluoride				Methoxychlor	
Iron				Toxaphene	
✓ Lead		400	<0.1	2,4-D	
Manganese				2,4,5-TP	
Mercury					
Nitrate					
✓ pH		6.6			
Selenium					
Silver					

Date Received _____ Date Reported 25 Oct 83 Reported By _____
 Laboratory Number 19884 OCT 1283

DIVISION OF HEALTH SERVICES
 N.C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

CHEMICAL ANALYSES - SOLID AND HAZARDOUS WASTE

Source: Mr. ROBINSON

Address: NEW BERN

 _____ Zip _____

County: Craven

Report To: Messer

Address: Solid Hazardous Waste Unit

 _____ Zip _____

Telephone Number: () -

Collected By: Robinson

Date Collected: 10/8/83 Time _____ AM
 _____ PM

Location of Sampling Point: _____

Remarks:

Sample #	Location (depth)
1	11"
2	18"
3	12"
4	12"
5	10"
6	10"

LEAD TOTAL & SET.
 pH

	Total Results		Results expressed in ppm unless otherwise indicated.	Results
	Total	Ext.		
(<input checked="" type="checkbox"/>) Extractable Metals				
(<input checked="" type="checkbox"/>) Total Metals				
Arsenic			Solids, dissolved	
Barium			Solids, suspended	
Cadmium			Solids, total	
Chloride			Solids, total volatile	
Chromium			Spec. Conductivity	
Color			Zinc	
Copper			Endrin	
Flammability			Lindane	
Fluoride			Methoxychlor	
Iron			Toxaphene	
✓ Lead	6300	2.6	2,4-D	
Manganese			2,4,5-TP	
Mercury				
Nitrate				
✓ pH	6.9			
Selenium				
Silver				

Date Received _____ Date Reported 25 Oct 83 Reported By _____
 Laboratory Number 19883 OCT 12 83

DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SECTION



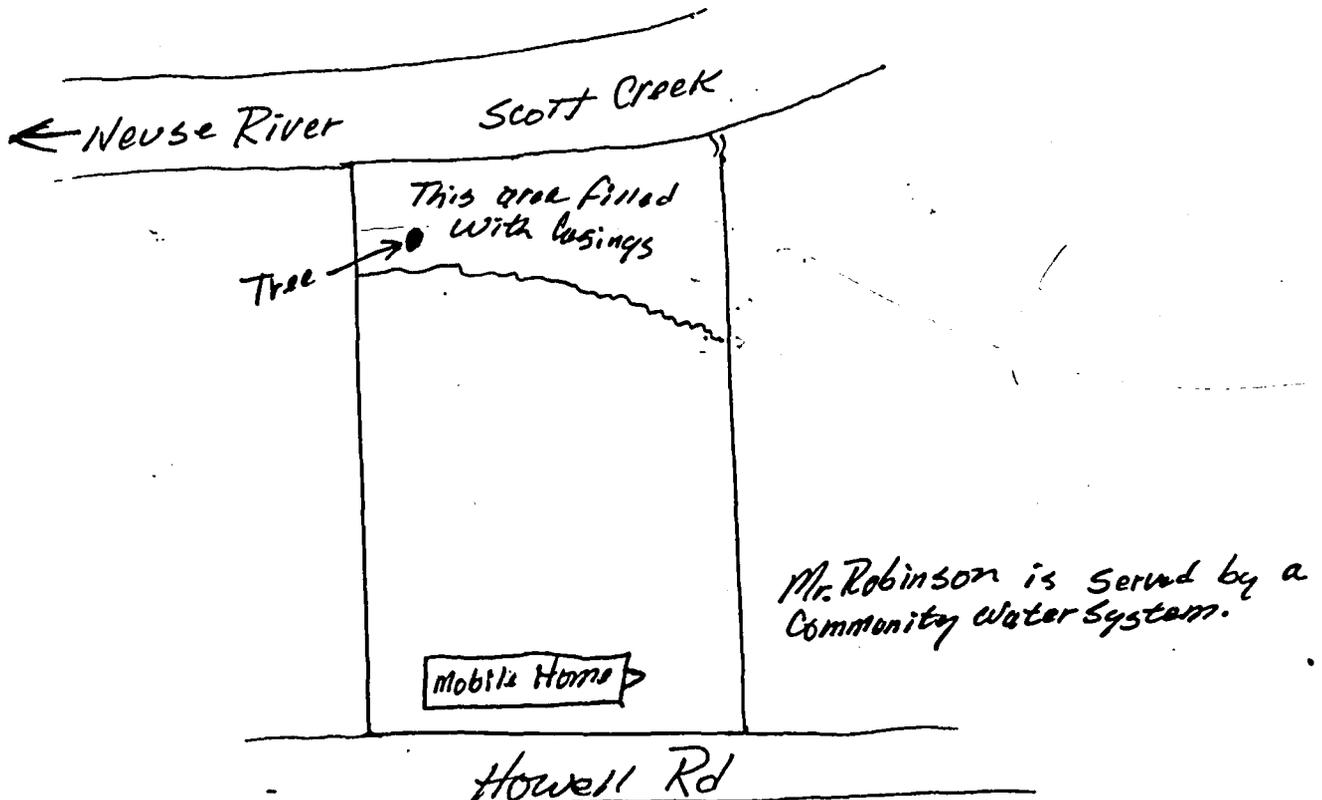
REPORT OF INVESTIGATION OR INSPECTION OF lead battery dump

Place visited Mr. D.J. Robinson Date September 29 19 83
Address 402 Howell Road, New Bern, NC Time spent 2 hours
By whom Fred J. Wood, DHS - C.H. Hamm, San. Supervisor, Craven County Health Dept.
Persons contacted Mr. D.J. Robinson
(Owner, agent, tenant, manager, other)
Reason for visit complaint from Mr. Robinson through the Craven County Health Department
Copies to: Tom C. Karnoski
C.H. Hamm
Terry Dover

REPORT:

Mr. Robinson brought this property in April 1983 and installed a mobil home for his residence. When he began digging up his backyard for a vegetable garden he found the area filled with broken pieces of auto battery casings. His next door neighbor told him a salvage company used the area for battery part disposal approximately 25 years ago.

Mr. Robinson complained about his eyes burning when in the area during damp weather. I took a soil sample of the area on August 30, 1983 See attached lab report.



State Lab. Inc.

566000290-F

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N.C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH, 27611

Petroleum Prod.

ORGANIC CHEMICAL ANALYSES - ~~INSTRUMENTAL~~

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Mr. L. E. Tripp (633-0217)

Address: 404 Howell Rd.
New Bern, N.C. ZIP 28560

County: CRAVEN

Report To: Ray E. Silverthorne, Jr.

Address: Craven Co. Health Dept. - 2102 N. US 17 Blvd
New Bern, N.C. ZIP 28560

Telephone Number: (919) 633-3488

Collected By: Ray E. Silverthorne, Jr.

Date Collected: 8/29/83 Time: 3:30 ^{AM}/_{PM}

Location of Sampling Point: Stms
(Address where sample was collected)

Remarks: Well located less than 50 feet
old water main crossing site

Source of Water:

Ground Both

Surface Purchased

Source of Sample:

Distribution Tap House Tap

Well Tap

Type of Sample:

Raw Treated

Type of Treatment:

None Lime

Chlorinated Soda Ash

Fluoridated Polyphosphate

Filtered Water Softener

Alum Other

Type of Sample:

Regular Private

Check Special

WATER SYSTEM I.D. NUMBER (COPY FROM MAILING LABEL)

□ □ - □ □ - □ □ □ □

State Drinking Water Parameters (Required)

Optional Parameters (List as needed)

Results		Results	
(CHLORINATED HYDROCARBONS:)			
Endrin	mg/l	5	50+ ppm by mass basis
Lindane	mg/l	4	indicated by GC/MS
Methoxychlor	mg/l	3	IR method very slight
Toxaphene	mg/l	4	very slight
(CHLOROPHOXYS:)			
2,4-D	mg/l	3	
2,4,5-TP	mg/l	4	

Date Received _____ Date Reported 9/8/83 Reported By M. Kerbaugh

Date Extracted 7/7/83 Date Analyzed 7/8/83 Laboratory Number 3 5469

Comments: Very slight only by IR
9/10/83

(-) (-) (-)
115 561 IR

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 DEPARTMENT OF HEALTH SERVICES
 1100 SOUTH COLLETT STREET
 RALEIGH, NORTH CAROLINA 27601
INSTRUCTIONS

Using typewriter or ballpoint pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

OBTAINING SAMPLE:

- Remove the teflon lined cap from the 1-gallon bottle.
- Run water for 5 minutes to assure water is from the distribution system.
- Rinse the bottle 2 or 3 times and discard the water.
- After rinsing fill the bottle and replace cap securely.
- Place the bottle and report sheet in the styrofoam mailer and tape securely.
- Mail immediately to the State Laboratory using supplied address label.

LIMITS OF ALLOWABLE CONCENTRATIONS FOR DRINKING WATER ARE LISTED BELOW.

<u>PARAMETERS</u>	<u>LIMITS (mg/l)</u>	<u>METHOD OF ANALYSIS</u>
Lindane	0.004	EPA, EMSL, ERC, JULY 1978
Endrin	0.0002	EPA, EMSL, ERC, JULY 1978
Methoxychlor	0.10	EPA, EMSL, ERC, JULY 1978
Toxaphene	0.005	EPA, EMSL, ERC, JULY 1978
2,4-D	0.10	EPA, EMSL, ERC, JULY 1978
2,4,5-TP	0.010	EPA, EMSL, ERC, JULY 1978

TYPES OF SAMPLES

- Regular: A sample(s) submitted to meet the monitoring requirements of the North Carolina Drinking Water Act, GS 130-101 Article 13D.
- Check: A sample(s) submitted when a previous sample has exceeded the allowable concentration. The check sample should be taken from the same sample distribution tap as the previous sample.
- Private: A sample(s) from a private water supply submitted by a licensed physician, sanitarian or other health department representative.
- Special: A sample(s) submitted by an engineer working with the State or the E.P.A., a sample taken by the owner/operator of a water system for a new well, a landfill test well sample or other non-categorized sample.

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 308 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: <u>MR. L. E. TRIPP (633-0217)</u>	Source of Water: <input checked="" type="checkbox"/> Ground () Both <input type="checkbox"/> Surface () Purchased
Address: <u>404 Howell Rd.</u>	Source of Sample: <input checked="" type="checkbox"/> House Tap <input type="checkbox"/> Well Tap
<u>NEW BERN, N.C.</u> ZIP <u>28560</u>	
County: <u>CRAVEN</u>	Type of Sample: <input checked="" type="checkbox"/> Raw () Treated
Report To: <u>RAY G. SILVERTHORNE, JR.</u>	Type of Treatment: <input checked="" type="checkbox"/> None () Lime <input type="checkbox"/> Chlorinated () Soda Ash <input type="checkbox"/> Fluoridated () Polyphosph <input type="checkbox"/> Filtered () Water Soften <input type="checkbox"/> Alum () Other
Address: <u>CRAVEN CO. HEALTH DEPT.</u>	
<u>2102 NEUSE BLVD.</u>	Type of Analysis Desired: <input checked="" type="checkbox"/> Regular Parameters () Both <input type="checkbox"/> Optional Parameters
<u>NEW BERN, N.C.</u> ZIP <u>28560</u>	
Collected By: <u>RAY G. SILVERTHORNE, JR.</u>	
Date Collected: <u>8/29/83</u> Time: <u>3:30</u> AM	
Location of Sampling Point: <u>SAME</u> <u>KITCHEN SINK</u>	

Remarks: STATE LAB I.D. # - 566000290-F
- WELL LOCATED LESS THAN .50' FROM OLD LEAD BATTERY DUMP SITE

Regular Parameters	Results	Optional Parameters (List as needed)	Results
pH	<u>6.6</u> units		
Arsenic	<u><0.01</u> mg/l		
Lead	<u><0.03</u> mg/l		
Iron	<u>0.39</u> mg/l		
Manganese	<u>0.07</u> mg/l		
Copper	<u><0.05</u> mg/l		
Zinc	<u>0.42</u> mg/l		
Calcium	<u>87.9</u> mg/l		
Magnesium	<u>10.2</u> mg/l		
Hardness-CaCO ₃ (Ca, Mg)	<u>118</u> mg/l		
Alkalinity-CaCO ₃	<u>48</u> mg/l		
Chloride	<u>75</u> mg/l		
Color	<u>3</u> units		
Turbidity	<u>2.4</u> NTU units		
Fluoride	<u><0.10</u> mg/l		

Date Received _____ Date Reported 9-6-83 Reported By _____
 Date Analyzed _____ Laboratory Number 16928 AUG 30 83

STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N. C. DEPARTMENT OF HUMAN RESOURCES
 P.O. BOX 28047 - 306 N. WILMINGTON ST., RALEIGH 27611

Hazardous Waste
 INORGANIC CHEMICAL ANALYSES PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

Name of System: D. J. Robinson

Address: 402 Howell Road
New Bern NC ZIP 28560

County: Craven

Report To: Fred J. Wood

Address: Eastern Regional Office
404 St. Andrews St
Greenville N.C. ZIP 27834

Collected By: Wood

Date Collected: 8-30-83 Time: 1:30 ^{AM} ~~PM~~

Location of Sampling Point: Back yard

Source of Water:
 Ground Both
 Surface Purchased

Source of Sample:
 House Tap
 Well Tap

Type of Sample:
 Raw Treated

Type of Treatment:
 None Lime
 Chlorinated Soda Ash
 Fluoridated Polyphosphate
 Filtered Water Softener
 Alum Other

Type of Analysis Desired:
 Regular Parameters Both
 Optional Parameters

Remarks: *Sample for lead only - old dump site
 For auto battery casing - Soil sample*

Regular Parameters		Optional Parameters (List as needed)	
	Results		Results
Lead	units		
Arsenic	mg/l		
Cadmium	mg/l		
Chromium	mg/l		
Copper	mg/l		
Iron	mg/l		
Manganese	mg/l		
Nickel	mg/l		
Silver	mg/l		
Vanadium	mg/l		
Hardness-CaCO ₃ (Ca, Mg)	mg/l		
Alkalinity-CaCO ₃	mg/l		
Fluoride	mg/l		
Chloride	units		
Turbidity	NTU units		
Chloride	mg/l		

Date Received _____ Date Reported 7 Sept 83 Reported By _____

Date Analyzed _____ Laboratory Number 16944 AUG 30 83