

285SERBSF10,616

285SERBSF10,616

Site Name (Subject): SINGER CO/FURNITURE DIV WASHINGTON

Site ID (Document ID): NCD072012354

Document Name (DocType): Correspondence (C)

Report Segment:

Description: General Correspondence, 1980 - 1999

Date of Document: 10/20/1999

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Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

Print Report for Record

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DATE: October 20, 1999
MEMO TO: FILE
FROM: Jeanette Stanley



Site Name Singer Co. Furniture
Site Address Singer Rd.
Site City Chocowinity
County Beaufort
NCD# NCD 072 012 354

Contact Name Curt Olsen (attorney for current tenant)
Contact Number 981-4084 (919)

After the flooding caused by Hurricane Floyd (September 15 - 16, 1999), I reviewed this site file to determine the current site status, to determine flooding status, and to determine if there was any threat posed by this site that required immediate attention. I also called the above contact. Following is a summary of the current site status.

A Brownfields agreement is being negotiated on this site. Soils are contaminated with petroleum and lead. Site not under water. No flooding.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION 4
 ATLANTA FEDERAL CENTER
 61 FORSYTH STREET, SW
 ATLANTA, GEORGIA 30303-8909

MAR 17 1998

Ms. Pat DeRosa, Head
 Site Evaluation and Removal Branch
 Superfund Section
 Division of Solid Waste Management
 NCDENR
 PO Box 27687
 Raleigh, NC 27611-7687

RECEIVED
 MAR 20 1998
 SUPERFUND SECTION

Dear Ms. DeRosa, *Pat*

Attached are Site Assessment Decision Forms for the following Sites. You should have received all or most of these forms previously by FAX.

| Site Name | ID | Document | Decision |
|---------------------------|--------------|-----------|---|
| Singer Co. Washington | NCD072012354 | ESI 002 | NFRAP 3/09/98 |
| Byerly Drum | NC0001763366 | PA 001 | NFRAP 3/12/98 |
| Graves Property | NC0001351212 | PA 001 | NFRAP 3/11/98 |
| GA-Pacific Dublin Co. | NCD000773515 | Re-review | Changed from L to NFRAP 12/08/97 |
| GA-Pacific Halifax Co. | NCD000773507 | Re-review | Changed from L to NFRAP- 12/08/97 |

Also enclosed is a copy of our internal Site Assessment log.
 Call me if you have any questions on any of the enclosures.

Philip H. Vorsatz, Chief

NC Site Management Section

ENCLOSURES

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV

EPA ID: NCD072012354 Site Name: SINGER CO FURNITURE DIV WASHINGTON

State ID:

Alias Site Names: SINGER CO FURNITURE DIV WASHINGTON

City: CHOCOWINITY

County or Parish: BEAUFORT

State: NC

Refer to Report Dated:

Report Type: EXPANDED SITE INSPECTION 002

Report Developed by: Jeanette Stanley, NC DENR

DECISION:

- 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:
 - 1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)
 - 1b. Site may qualify for action, but is deferred to:
- 2. Further Assessment Needed Under CERCLA:
 - 2a. Priority: Higher Lower
 - 2b. Other: (recommended action) NFRAP (No Further Remedial Action Planned)

DISCUSSION/RATIONALE:

Site contains contaminated soils and downgradient sediments; however the Site does not score above 28.5 primarily due to a lack of targets.

Site Decision Made by: GIEZELLE S. BENNETT

Signature: 

Date: 03/09/98

GENTRY LOCKE
RAKES & MOORE

Attorneys at Law

540•983•9300

Facsimile 540•983•9400

10 Franklin Road, S.E.

Post Office Box 40013

Roanoke, Virginia 24038-0013

Direct No.: 540•983•9375

January 20, 1998

RECEIVED

JAN 23 1998

SUPERFUND SECTION

Jack Butler, Chief
NC Superfund Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Ms. Jeanette Stanley
Environmental Chemist
NC Superfund Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Singer Furniture Company
NCD 072 012 354

Dear Ms. Stanley and Mr. Butler:

Your letters of January 13, 1998, to me and to Mr. Qualls have been received. The proper entity to which future correspondence should be directed is Singer Furniture Company, not Singer Industrial Sewing Products Co. or Singer Co. Furniture Div. Washington. I notice in the reference section of both letters the Chocowinity, North Carolina, site is identified as Singer Co. Furniture Div. Washington. Moreover, in Mr. Butler's letter of January 13, 1998, he indicates that Mr. Qualls is acting for Singer Industrial Sewing Products Co. Again, the entity in question is Singer Furniture Company.

Very truly yours,

GENTRY LOCKE RAKES & MOORE



Charles L. Williams

CLW/lbs

cc: Mr. Rahat Alam
Mr. Brock Qualls
Thomas D. Robertson, PE

6574\18\410380.1



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT



JAMES B. HUNT JR.
GOVERNOR

WAYNE McDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

January 13, 1998

Mr. Brock Qualls, Environmental Manager
Singer Industrial Sewing Products Co.
4500 Singer Rd.
Murfreesboro, TN 37130

RE: Singer Co. Furniture Div. Washington
NCD 072 012 354
Patrick Lane
Chocowinity, Beaufort Co., North Carolina

Dear Mr. Qualls:

Enclosed is a copy of the ESI report on the Singer Co. Furniture Div. Washington site. References are not included. You may copy the references and other file materials by contacting our FOIA officer, Scott Ross, at (919) 733-2801 ext. 328 and making an appointment. He will explain procedures and applicable fees for making copies.

Also attached is a copy of a letter sent to Mr. Charles Williams from our office. If you have any questions, please call me at (919) 733-2801 ext. 336.

Sincerely,

Jeanette Stanley
Environmental Chemist
NC Superfund Section

cc: Mr. Charles Williams
Mr. Rahat Alam
Mr. John Walch
Thomas D. Robertson, PE
file

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT



JAMES B. HUNT JR.
GOVERNOR

WAYNE McDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

January 13, 1998

Mr. Brock Qualls, Environmental Manager
Singer Industrial Sewing Products Co.
4500 Singer Rd.
Murfreesboro, TN 37130

RE: Singer Co. Furniture Div. Washington
NCD 072 012 354
Patrick Lane
Chocowinity, Beaufort Co., North Carolina

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Sincerely,

Jeanette Stanley
Environmental Chemist
NC Superfund Section

cc: Mr. Charles Williams
Mr. Rahat Alam
Mr. John Walch
Thomas D. Robertson, PE
file

NLD 072 012 354
File

GENTRY LOCKE
RAKES & MOORE

Attorneys at Law

540-983-9400

Facsimile: 540-983-9400

10 Franklin Road, S.E.

Post Office Box 40013

Roanoke, Virginia 24038-0013

Direct No.: 540-983-9375

January 9, 1998

VIA TELECOPIER

Jack Butler, Chief
Superfund Section
North Carolina Department of
Environment and Natural Resources
P. O. Box 29603
Raleigh, NC 27611-9603

Re: **Singer Furniture Company**

Dear Mr. Butler:

Following our discussion earlier today with Jeanette Stanley, I have spoken with Mr. Rahat Alam. Singer Furniture Company has designated Mr. Brock Qualls as its central corporate contact regarding environmental matters. His address is 4500 Singer Road, Murfreesboro, Tennessee 37130. For procedural purposes, I would appreciate your sending a copy of whatever is forwarded to Mr. Qualls to me at Gentry Locke Rakes & Moore, P. O. Box 40013, Roanoke, Virginia 24038-0013, and to Mr. Rahat Alam, 416 Wallace Street, Edison, NJ 08817.

Very truly yours,

GENTRY LOCKE RAKES & MOORE

Charles L. Williams

Charles L. Williams

CLW/lbs

cc: Mr. Rahat Alam
Mr. Brock Qualls
Ms. Jeanette Stanley
Mr. John Walch
Thomas D. Robertson, PE
Mrs. Wanda S. Jackson

6574\18\408038.1



CONTINUING A SEVENTY FIVE YEAR COMMITMENT

GENTRY LOCKE
RAKES & MOORE

Attorneys at Law

540-983-9300

Fax: 540-905-9400

10 Franklin Road, S.E.

P.O. Office Box 40014

Roanoke, Virginia 24039-0014

TELECOPY

FOR IMMEDIATE DELIVERY

THIS COMMUNICATION IS CONFIDENTIAL AND IS INTENDED TO BE PRIVILEGED PURSUANT TO THE ATTORNEY-CLIENT PRIVILEGE AND THE WORK-PRODUCT DOCTRINE.

DATE: January 9, 1998

TO: Jeanette Stanley

FIRM NAME: North Carolina Superfund Section

FAX NO.: 919-733-4811

FROM: Charlie Williams

TOTAL NO. OF PAGES: 2 INCLUDING THIS PAGE.

TIME OF TRANSMITTAL: 4:10 pm

IF YOU DO NOT RECEIVE ALL OF THE PAGES, PLEASE CALL AS SOON AS POSSIBLE.

THANK YOU,

GENTRY LOCKE RAKES & MOORE

MESSAGE:

GLRM FILE NO.:

408083.1



CONTINUING A SEVENTY-FIVE YEAR COMMITMENT

Raleigh N+O April 24, 1997

SINGER

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357 SINGER RD. CHOCOWINITY, NC**

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CHECKS
MC/VISA**

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FOR BEST
SELECTION!!**

Telephone (919) 946-3209

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NOTICE!**

**URGENT
NOTICE!**



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State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

March 14, 1997



Mr. Rahat Alam, Acting President
Singer Furniture Company
P. O. Box 1749
High Point, NC 27261

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Dear Mr. Alam:

The NC Superfund Section conducted an Expanded Site Inspection (ESI) on the Singer Furniture Co. Chocowinity plant in August of last year. Soil and sediment samples were collected in order to determine if further action under CERCLA is needed. The data from the ESI has been received and a copy of the data was mailed to your company upon receipt. I recently reviewed and evaluated the data but have not completed the final report.

Your environmental consultant, Tom Robertson with Environmental Quality Management, called me yesterday and informed me that the facility is for sale and that you have a potential buyer. He explained that the potential buyer plans to continue operations and retain the approximately 120 employees, depending on the environmental status of the facility.

In view of the financial position of your company and the fact that 120 jobs are in jeopardy, I am writing this letter to explain the current environmental status of the Chocowinity facility. When I complete my report, I will recommend that no further action under CERCLA be taken. Because neither my supervisor nor the US EPA have reviewed the report, it is possible that my recommendation will be reversed and further action under CERCLA will be pursued.

The February 1997 letter that was mailed to your company from the Inactive Sites Branch informed you that this site has been prioritized. It ranks 53rd out of 197 sites. If the US EPA approves my recommendation for no further action, the Inactive Sites Branch will review the new data and the ranking may change. It can not be determined at this time if any future clean up will be required on your site under the Inactive Sites program.

P.O. Box 27687,
Raleigh, North Carolina 27611-7687
Voice 919-733-4996

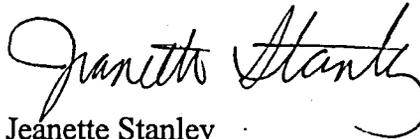


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Letter to Mr. Rahat Alam, Acting President
Singer Furniture Company
Chocowinity, Beaufort County, NC
NCD 072 012 354
March 14, 1997
page 2

I hope that I have addressed your questions regarding the environmental status of your facility. If you have any additional questions, please call me at (919) 733-2801 ext. 336 or write to me at 401 Oberlin Road, Raleigh, NC 27605.

Sincerely,



Jeanette Stanley
Environmental Chemist
NC Superfund Section

cc: Pat DeRosa, Head, Site Evaluation & Removal Branch
Jack Butler, Chief, NC Superfund Section
Bill Meyer, Director, Waste Management Division
Cindy Gurley, US EPA Site Assessment Manager

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



November 19, 1996

Mr. Tom Robertson
Environmental Quality Management
Suite 250
3225 Durham-Chapel Hill Blvd.
Durham, NC 27707

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Dear Mr. Robertson:

Per our telephone conversation today, enclosed are the extractable organic sample results from the ESI conducted on the Singer property in August of this year. I understand that the Singer office only forwarded a copy of the volatile results to you from the package that I mailed to them. I have also enclosed the results of the metals analysis for sample number SC-011-SS. The results from this sample were not included in the original package. Sorry for the inconvenience.

This data has not been compared to background levels to determine if there has been a release to the wetlands in the area.

If you have any questions, you may call me at (919) 733-2801 ext. 336. Your comments are welcome at any time.

Sincerely,

Jeanette Stanley
Environmental Chemist
NC Superfund Section

Enclosures

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



November 1, 1996

Mr. Bill Foster
Singer Furniture Company
P. O. Box 5337
Roanoke, VA 24012

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Dear Mr. Foster:

Enclosed are the organic sample results from the ESI conducted on your Chocowinity property in August of this year. This data has not been compared to background levels to determine if there has been a release to the wetlands in the area. This package and the the inorganic data sent to you on October 10, 1996 comprise all of the analytical results on this site.

If you have any questions, you may call me at (919) 733-2801 ext. 336. Your comments are welcome at any time.

Sincerely,

Jeanette Stanley
Environmental Chemist
NC Superfund Section

Enclosures

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



October 10, 1996

Mr. Bill Foster
Singer Furniture Company
P. O. Box 5337
Roanoke, VA 24012

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Dear Mr. Foster:

Per our telephone conversation today, I am sending this correspondence directly to you. Enclosed are the inorganic sample results from the ESI conducted on your Chocowinity property in August of this year. This data has not been compared to background levels to determine if there has been a release to the wetlands in the area. I anticipate that the results from the organic analyses will arrive shortly. These will be mailed to you as soon as I receive them.

If you have any questions, you may call me at (919) 733-2801 ext. 336.

Sincerely,

Jeanette Stanley
Environmental Chemist
NC Superfund Section

Enclosures

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



September 30, 1996

Mr. Craig M. Shoemaker, President
Singer Furniture Company
P. O. Box 1749
High Point, NC 27261

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Dear Mr. Shoemaker:

This letter is in response to your September 19, 1996 letter to me. In response to your concerns regarding interpretation of the Dynamac report that recommended no further action on your site, the US EPA reserves the right and the ultimate authority to accept or reject recommendations submitted to them regarding future actions on sites studied under the CERCLA program. NC Superfund Section reports are subject to the same review and approval by the US EPA. All site scoring conducted prior to completion of the HRS-documentation package is considered pre-decisional and is treated as confidential information; therefore, I can not share the scoring document with you at this time. However, the scoring is based on documentation presented in the site assessment reports and site files which are public information and available for review. If you have identified inaccuracies in these reports or files that you believe would affect the scoring, I would urge you to bring these to our attention in writing as soon as possible so that they can be considered prior to completion the ESI report.

We welcome your comments at any time and will consider these in our ESI report. If the site is recommended for NPL listing, a 60-day public comment period will allow ample time for us to consider all comments. We have not yet received the analytical data from the ESI. A copy of this data will be mailed to you upon receipt by this office.

P.O. Box 27687,
Raleigh, North Carolina 27611-7687
Voice 919-733-4996

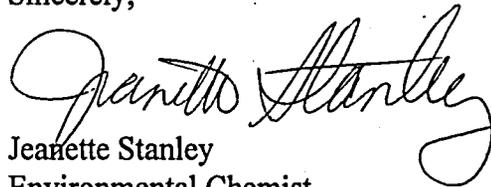


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Letter to Mr. Craig M. Shoemaker, President
Singer Furniture Company
Chocowinity, Beaufort County, NC
NCD 072 012 354
September 30, 1996
page 2

If you have questions that you wish to direct to the US EPA directly, you may write Ms. Cindy Gurley at US EPA, Atlanta Federal Building, 100 Alabama St., SW, Atlanta, GA 30303-3104. If you have additional questions, please feel free to call me at (919) 733-2801 ext. 336.

Sincerely,

A handwritten signature in cursive script, reading "Jeanette Stanley". The signature is written in black ink and is positioned above the typed name and title.

Jeanette Stanley
Environmental Chemist
NC Superfund Section

cc: Pat DeRosa, Head, Site Evaluation & Removal Branch
Jack Butler, Chief, NC Superfund Section
Bill Meyer, Director, Waste Management Division
Cindy Gurley, US EPA Site Assessment Manager

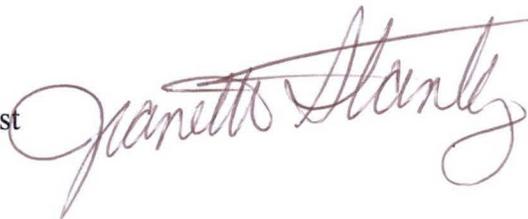
MEMO

DATE: September 27, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354



This memo discusses NC Superfund actions and responses to Singer personnel prior to the ESI that occurred at the Singer Furniture Company Chocowinity plant on August 6, 1996. Mr. Craig Shoemaker, President, Singer Company, wrote a letter to Mr. Jonathan B. Howes on July 30, 1996 expressing concerns in several areas. Mr. Howes' response on August 22, 1996 did not address individual concerns presented in Mr. Shoemaker's letter. A copy of Mr. Shoemakers' letter and Mr. Howes' response are attached.

A January 4, 1990 Phase I report and August 1990 sampling resulted in a December 1991 Phase II report that recommended further action on the site. The 1994 Site Inspection Prioritization report prepared by Dynamac did conclude that no further investigation activities were recommended for the site. However, the US EPA did not accept this recommendation and instead recommended a low priority ESI. A copy of this recommendation, dated April 29, 1994, is attached.

In February 1996, NC Superfund personnel visited the Singer property, but the individuals who visited the site were Harry Zinn, Bruce Nicholson and Nile Testerman. Jeanette Stanley did not visit the site in February 1996 as she had not yet been assigned the project. Harry Zinn and Singer representatives discussed sampling locations during the February site visit, but these were mostly the addition of background samples. During this time, QA/QC and the possibility of an alternative sampling plan were discussed, but no alternative plan was ever offered or prepared. Also during this time, Mr. Zinn stated that this study would most likely require two sampling teams for one day. Mr. Shoemaker's July 30, 1996 letter stated that NC Superfund Section personnel informed Singer that 20 samples would be collected during the ESI.

The May 31, 1996 letter from Jeanette Stanley to Mr. Marlowe was a cover letter for mailing of the Site Inspection and Site Inspection Prioritization Reports. Mr. Marlowe requested this information during a telephone call from Ms. Stanley announcing the upcoming ESI. In this letter, Ms. Stanley provided instructions to Mr. Marlowe on how to access additional NC Superfund Section file material on the Singer Furniture Company site. This letter also confirmed the sampling date and offered sample splits to Mr. Marlowe.

MEMO: September 27, 1996
FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section
RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

While this letter did not indicate the number of planned samples or the number of sampling crews, Mr. Marlowe did not ask these questions. Mr. Marlowe did ask about an alternative sampling plan and Ms. Stanley indicated that she would discuss this with her supervisor, which she did. The decision was made to stick with the original plan and Ms. Stanley communicated this to Mr. Marlowe by telephone. A June 3, 1996 memo written by Ms. Stanley confirms that Mr. Clarence Edwards, Plant Manager of the Singer Company Furniture Division and Mr. Marlowe had been notified of the upcoming ESI and of the sampling dates. This memo is attached.

On June 12, 1996, Mr. Norman Goldberg stated in a telephone conversation that he had taken over Mr. Marlowe's environmental affairs duties for the Singer Company. On June 17, 1996, Ms. Stanley wrote a letter to Mr. Goldberg notifying him that the ESI was rescheduled for August 6 - 7. Ms. Stanley also stated in this letter that she would be using two field teams. Copies of these two communications are attached.

On July 31, 1996, Ms. Stanley called Mr. Marlowe to remind him that the NC Superfund Section was still planning to sample the site on August 6. In contrast to statements in Mr. Shoemaker's June 30 letter, Mr. Zinn did not communicate with Singer personnel during this time. Mr. Shoemaker stated that it would be appropriate for the NC Superfund Section to advise Singer in advance of the sampling plan, sampling procedures and schedule. Ms. Stanley communicated the June 19, 1996 sampling date as early as May 31, 1996 and the rescheduled August 6, 1996, sampling date was communicated to Singer on June 17, 1996. Singer's first request for a copy of the sampling plan was received on August 1, 1996 in the form of Mr. Shoemaker's July 30, 1996 letter, and the sampling plan was sent by FAX on August 1. A memo was prepared on August 2, 1996 was prepared by Ms. Stanley, detailing response actions to Mr. Shoemaker's letter and communications with Singer representatives immediately prior to the ESI.

Prior to the sampling date, permission to collect samples was also obtained from Mr. Harold Lane. Mr. Bruce Garris, also a property owner in the area was twice notified by mail but no response was received. Adjacent business operators Warren Corliss, Plant Manager, and Finley Messick, General Manager, Greenville Ready Mix Plant, and Darryl Boyd, Shop Floor Manager, Pamlico Machine & Tool were notified that we would be in the area on August 6 taking samples and were granted permission to do so.

July 30, 1996

The Honorable Jonathan B. Howes
Secretary
Department of Environment, Health,
and Natural Resources
P.O. Box 28687
Raleigh, North Carolina 27611-7687

RECEIVED

AUG 01 1996

SUPERFUND 68010

Re: Proposed Sampling, Singer Furniture Company Facility
Chocowinity, North Carolina

Dear Secretary Howes:

Singer Furniture Company (SFC) operates a manufacturing facility in Chocowinity, North Carolina. In 1980, SFC filed a Resource Conservation and Recovery Act (RCRA) Part A Interim Status permit application as a protective filer. The RCRA Part A permit would allow SFC to store, treat, and dispose of hazardous waste. SFC never performed any storage, treatment, or disposal activities at the Chocowinity facility. In 1981, SFC requested that the Part A permit application be withdrawn and the facility's status be changed to that of a generator of hazardous waste only. In January 1982, the State of North Carolina approved SFC's request. SFC was not required to perform a formal closure as a part of the change in status. The facility is currently regulated as a large quantity generator of hazardous waste and is in compliance with current RCRA regulations.

In 1984, the North Carolina Solid and Hazardous Waste Management Branch completed and recommended no further action for the facility. In August 1990, the NUS Corporation (NUS), an United States Environmental Protection Agency (EPA) contractor, performed a Site Inspection (SI) at the facility. The SI included the collection of soil and groundwater samples at the facility. Based on the analyses of the collected samples, the SI report recommended a site prioritization be performed.

HOWESI.DOC

SINGER FURNITURE COMPANY

P.O. BOX 11067 • HIGH POINT, NC 27265-1067 • (910)802-4600 • FAX: (910)889-2414

July 30, 1996

Page 2

In 1994, the Dynamac Corporation (Dynamac), an United States Environmental Protection Agency contractor completed a Site Inspection Prioritization Report (SIPR) for the Chocowinity facility. The objective of the SIPR was to evaluate the characteristics of the site and surrounding areas in order to provide a recommendation concerning further investigation activities at the site. Dynamac concluded that no further investigation activities were recommended for the site.

In February 1996, personnel from the Special Remediation Branch (SRB) of the North Carolina Department of Environment, Health, and Natural Resources' Division of Solid Waste Management informed personnel at the Chocowinity facility that the collection of soil samples would be collected from 20 locations on the SFC facility and surrounding properties. They also informed SFC that SRB personnel would be coming to the Chocowinity facility to look over the facility. On February 22, 1996 at the Chocowinity facility, Jerry Marlowe of SFC and Tom Robertson of Environmental Quality Management, Inc. (EQ) a consultant for SFC, met with Jeanette Stanley of the SRB. At the site meeting Messrs. Marlowe and Robertson informed Ms. Stanley that SFC would like to obtain splits of all the samples collected by SRB personnel and they also offered an alternative sampling plan that would reduce the number of required sampling locations. Ms. Stanley indicated that she did not have the authority to approve the providing of split samples to SFC or of an alternative sampling plan and she would have to consult her supervisors regarding these matters. Ms. Stanley stated that the sampling activities may be performed by one or two sampling crews over a time period of one to two days.

On May 31, 1996, Ms. Stanley sent a letter to Mr. Marlowe that indicated that SRB personnel planned on taking samples at the Chocowinity facility on June 19 and 20, 1996. The letter also indicated that SFC could receive split samples from the SRB personnel. The letter did not indicate whether the SRB was considering the alternative sampling plan or the total number of samples to be collected by SRB personnel. The letter also did not indicate the number of crews that would be performing the sampling activities. Subsequent to receiving the letter from Ms. Stanley, SFC requested that the SRB sampling activities be delayed for SFC to obtain contracting approvals for the laboratory analyses of the samples and consultant costs for oversight of the SRB sampling activities. SRB provided SFC an verbal approval of the delay of sampling activities.

July 30, 1996

Page 3

Recently, SFC personnel at the Chocowinity facility received a phone call from Harry Zinn of the SRB that the proposed sampling activities would begin on August 6, 1996. Mr. Zinn did not indicate how many sampling teams would be involved, the length of the time the sampling will be performed, nor the total number of samples to be collected.

SFC has never received a copy of a sampling and analysis plan (SAP) or a health and safety plan (HSP) that the SRB intends to follow during their sampling activities. The lack of an opportunity to review these items, combined with the ambiguity of the number of crews and length of time the sampling will be performed, has made it difficult for SFC and its consultant to allocate resources for the collection of the split samples from the SRB personnel. It has been SFC's experience that the Division of Solid Waste Management would not allow a company to perform the collection of samples intended to determine whether an impact to the environment or human health has occurred without first approving the SAP and HSP to be followed to collect those samples. Therefore, it seems inappropriate to SFC that neither they or their consultant should not have an opportunity to examine the SAP and HSP that the SRB intends to follow in collecting the samples at the Chocowinity facility. The lack of an opportunity to review the SAP and HSP, along with the sampling period and crew number ambiguity, affects the staffing and equipment required by our consultant. These uncertainties will require higher consultant costs that SFC ultimately has to pay.

We want to advise you that we are opposed to any further testing at Chocowinity based upon the results of Dynamac's report to the EPA Site Assessment. Please note again that no further action was recommended by EPA's contractor.

We are concerned that the additional testing you have proposed is not merited and creates a needless consultant expense and public relations issue for our company. Our interpretation of the existing data is that nothing posing a threat to human health and the environment exists on the site.

We recognize that despite our objections you could pursue administrative options to gain entry. We feel that as a good corporate citizen with a record of cooperation with DEHNR, it would be appropriate for you to advise us in advance of your sampling plan, sampling procedures and schedule for both our property and that of contiguous neighboring owners. With this information

July 30, 1996

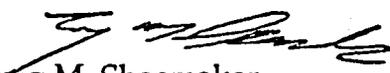
Page 4

we would then propose we have the opportunity to comment on and discuss these issues with you.

Singer considers this proposed sampling event to be of such seriousness that I am requesting a personal meeting with you at your earliest available opportunity. I also propose a moratorium on sampling until we can discuss these issues with you and your staff personally. I am prepared to re-work my schedule to accommodate such a meeting to the fullest extent possible. I look forward to hearing from you and the opportunity to discuss these important issues with you.

Very truly yours,

SINGER FURNITURE COMPANY


Craig M. Shoemaker
President

CMS/mr

cc: William Myers, Director
Division of Solid Waste Management
Jack Butler, Chief, Superfund Section
Bruce Nicholson, Chief
Special Remediation Branch

State of North Carolina
Department of Environment,
Health and Natural Resources

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary



AUG 22 1996

Mr. Craig M. Shoemaker, President
Singer Furniture Company
PO Box 11067
High Point, NC 27265-1067

AUG 28 1996
SUPERFUND SECTION

Dear Mr. Shoemaker:

Thank you for your letter of July 30, 1996 concerning the Expanded Site Inspection (ESI) of your Singer Facility in Chocowinity. As you are aware, the ESI was conducted on August 6, 1996. We appreciate your staff working with us to ensure that the ESI was accomplished smoothly and as scheduled.

Our staff did respond to your concerns regarding this inspection through Mr. Norman Goldberg, your environmental manager. Ms. Jeanette Stanley, our project manager, will contact Mr. Goldberg concerning the results of the sampling event.

The department wishes Singer Furniture Company all the best in its future endeavors. If you have additional concerns, please contact Ms. Stanley at (919)733-2801, ext. 336.

Sincerely,

Jonathan B. Howes
Secretary

JBH/wlm

cc: William Meyer
Jack Butler
Bruce Nicholson
Jeanette Stanley

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV

Site Name: SINGER COMPANY FURNITURE DIVISION EPA ID#: NCD072012354

Alias Site Names: _____

City: CHOCOWINITY

County or Parish: BEAUFORT

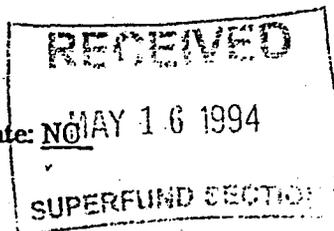
State: NC MAY 16 1994

Refer to Report Dated: 4/12/94

Report type: SIP

SUPERFUND SECTION

Report developed by: DYNAMAC CORP



DECISION:

1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

1b. Site may qualify for further action, but is deferred to:

RCRA
 NRC

2. Further Assessment Needed Under CERCLA: 2a. (optional) Priority: Higher Lower

2b. Activity Type:

PA
 SI

ESI → low level of effort
 HRS evaluation

Other: _____

DISCUSSION/RATIONALE: ESI needed. On site soils and drainage ditch sediments highly contaminated with bis(2-ethylhexyl)phthalate and other contaminants. Unknown whether the drainage ditch contamination has migrated into downstream perennial surface water bodies. Site could be eligible for the NPL if downstream surface water bodies are contaminated by the site. Important commercial and recreational fishing downstream. Extensive wetlands.
Not a groundwater threat. Onsite gw has low levels of metals. Nearest private well is not contaminated. Confining unit protects public wells.

Report Reviewed and Approved by: Cathy Amoroso Signature: [Signature] Date: 4/29/94

Site Decision Made by: Cathy Amoroso Signature: [Signature] Date: 4/29/94

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



May 31, 1996

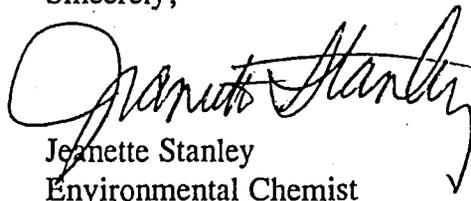
Mr. Jerry Marlowe
Singer Company
3322 Hollins Rd. NE
Roanoke, VA 24012

Dear Mr. Marlowe:

Per your request, I am enclosing a copy of the Site Inspection Report and the Site Inspection Prioritization Report on the Singer Company Furniture Division Washington site (NCD 072 012 354). References are not included. You may view these references and any other information on this site by calling Scott Ross at (919) 733-2801 ext. 328 and making an appointment. We require appointments to insure that adequate space and copying facilities are available for your use. If you can not make the trip yourself but would like to see the original data, etc., you may want to contact a local temporary agency and have someone copy the entire file for you.

NC Superfund is planning to take samples on your property on June ~~18 and 19~~ ¹⁹⁺²⁰ 1996. You may receive split samples of any or all of the samples, but you must provide your own sample containers. If you have any questions, please call me at (919) 733-2801 ext. 316.

Sincerely,


Jeannette Stanley
Environmental Chemist

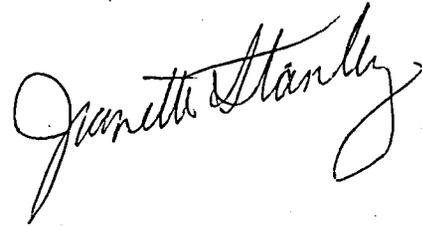
Enclosures

MEMO

DATE: June 3, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
North Carolina DEHNR, Superfund Section

A handwritten signature in cursive script that reads "Jeanette Stanley". The signature is written in black ink and is positioned to the right of the "FROM:" field.

RE: Singer Company Furniture Division Washington
Chocowinity / Washington County, North Carolina
NCD 072 012 354

I spoke withj Mr. Clarence Edwards, Plant Manager, Singer Company Furniture Division Washington (919) 946-5165. I also spoke with Jerry Marlowe (540) 366-0361 ext. 359 in the Singer Company headquarters at 3322 Hollins Rd. NE, Roanoke, VA 24012. Both individuals were informed that we would be conducting the ESI on June 19 and possibly into the 20th. Mr. Marlowe said that his representative would be Mr. Tom Robertson of Environmental Quality Management.

MEMO

DATE: June 17, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section



RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I spoke with Mr. Norman Goldberg on June 12, 1996. He said that he has taken over Mr. Jerry Marlowe's environmental duties for the company. His number is (540) 366-0361 ext. 237. We discussed that the planned ESI has been rescheduled per Mr. Marlowe's request. Mr. Goldberg requested that I send a letter to him confirming that the ESI has been rescheduled., which I did today.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



June 17, 1996

Mr. Norman Goldberg
Singer Company
3322 Hollins Rd. NE
Roanoke, VA 24012

Dear Mr. Goldberg:

Per your request, I am writing this letter to confirm that the NC Superfund Section sampling event has been rescheduled. Due to previously planned events within your company, Mr. Jerry Marlowe requested that this event be rescheduled. The Expanded Site Inspection sampling event that was originally scheduled for June 19 - 20, 1996 has been rescheduled for August 6 - 7, 1996.

You may receive split samples of any or all of the samples, but you must provide your own sample containers. We will be using two teams throughout the sampling event.

I understand that you have recently been assigned the environmental duties formerly performed by Mr. Marlowe. If you have any questions, please call me at (919) 733-2801 ext. 316.

Sincerely,

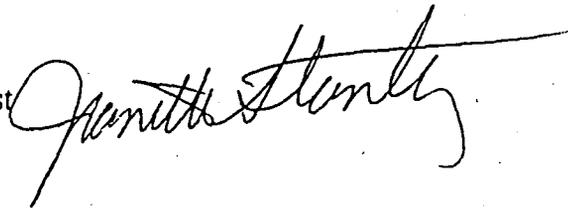
Jeanette Stanley
Environmental Chemist

MEMO

DATE: July 31, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section



RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I spoke with Mr. Jerry Marlowe, Singer Company Furniture Division, Environmental Affairs, (540) 366-0361 ext. 237. I reminded him that we would be there to collect samples on August 6, 1996, early in the morning. He said that he would relay the message to Mr. Bill Foster.

September 19, 1996

Ms. Jeanette Stanley
Superfund Section
Division of Waste Management, NCDEHNR
PO Box 27887
401 Oberlin Road
Raleigh, NC 27611-7687

RE: Singer ESI
Chocowinity, NC

Dear Ms. Stanley:

This letter is a follow up to our conversation on August 6 concerning studies being completed at the Singer facility in Chocowinity by the Superfund Section. We would like to reiterate Singer's disagreement with the state and the USEPA in your decision to proceed with an Expanded Site Investigation (ESI) at the site which we believe to be unjustified. We are concerned about the interpretation of data during the Site Inspection Prioritization (SIP) prescoring. Additionally, we wish to provide input prior to the ESI scoring.

We have fully reviewed the SIP report which was submitted to the USEPA by the USEPA's contractor, Dynamac Corporation, on April 12, 1994. The conclusion/recommendation of the SIP by Dynamac Corporation was:

"The population using groundwater within 4 miles is relatively limited and uses groundwater primarily from wells completed in a confined aquifer. The area within 4 miles is largely rural and sparsely populated. Minimal impact to surface water is expected due to intervening sandy soils and the distance from the facility to perennial surface water. Based on these considerations, Dynamac Corporation recommends the site evaluation be considered accomplished at the Federal level."

Page 2

We interpret this to be a recommendation for no further action; however, subsequent correspondence from the CERCLA Branch of the Division of Waste Management (in concurrence with the USEPA) recommends that an ESI be undertaken at the site, in spite of the SIP report findings.

The basis for the state's recommendation is potential surface water and groundwater impacts from organic and inorganic contaminants; however, we question whether appropriate factors were considered in the scoring. For example, did the groundwater scoring properly account for absence of bis (2-ethylhexyl) phthalate and di-n-octyl phthalate in analyses results of groundwater samples? Did the groundwater scoring properly account for the very low levels of other contaminants in the groundwater? Did the surface water scoring properly address waste characteristics? Our conclusion is that justification for initiating an ESI is questionable and that our site will not score on the NPL if these issues are properly considered.

We want to make sure our issues are being properly incorporated into the ESI scoring. Thus, we request that the following steps be followed:

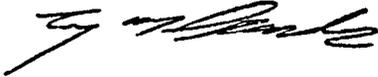
- We intend to submit to you our comments and justification for not scoring our site on the NPL. We will submit these after all ESI data has been collected and prior to your ESI scoring. After your receipt of our information and prior to the scoring, we ask for a meeting with you to review and discuss our issues.
- We would like to receive all ESI field and laboratory data as soon as they become available. We would like to receive it prior to any finalization of an ESI. Please forward the data to Bill Foster.
- We request to be informed of any additional field testing/sampling to allow us to split samples or review your activities. Please contact Bill Foster at 540-366-0361 prior to gathering any additional data.
- We may gather additional data on our own, if needed, to address our issues.

Page 3

Again, we believe that there is no justification for an ESI and that our site should not score on the NPL. We look for your cooperation in properly incorporating our issues into your scoring.

Very truly yours,

SINGER FURNITURE

A handwritten signature in black ink, appearing to read "Craig M. Shoemaker", written in a cursive style.

Craig M. Shoemaker
President

CMS/mr

cc: Bill Foster

State of North Carolina
Department of Environment,
Health and Natural Resources

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary



AUG 22 1996

Mr. Craig M. Shoemaker, President
Singer Furniture Company
PO Box 11067
High Point, NC 27265-1067

AUG 28 1996
SUPERFUND SECTION

Dear Mr. Shoemaker:

Thank you for your letter of July 30, 1996 concerning the Expanded Site Inspection (ESI) of your Singer Facility in Chocowinity. As you are aware, the ESI was conducted on August 6, 1996. We appreciate your staff working with us to ensure that the ESI was accomplished smoothly and as scheduled.

Our staff did respond to your concerns regarding this inspection through Mr. Norman Goldberg, your environmental manager. Ms. Jeanette Stanley, our project manager, will contact Mr. Goldberg concerning the results of the sampling event.

The department wishes Singer Furniture Company all the best in its future endeavors. If you have additional concerns, please contact Ms. Stanley at (919)733-2801, ext. 336.

Sincerely,

Jonathan B. Howes
Secretary

JBH/wlm

cc: William Meyer
Jack Butler
Bruce Nicholson
Jeanette Stanley

Jonathan B. Howes
Secretary of Environment,
Health, and Natural Resources



TO: L. Rinur DATE: 8/2

RESPOND BY: _____

PLEASE:

- Draft a reply for my signature and return to me.
- Reply, noting the letter was referred to you by me (copy to Secretary's Office).
- Draft a reply for the Governor's signature and return to me.
- Reply, noting the letter was referred to you by Governor Hunt (copy to Secretary's Office)
- For your information.
- Take appropriate action.
- Note and file.
- Note and return to me.
- Note and see me about this.
- Your comments and/or recommendations.

REMARKS:

DWM



Facsimile Cover Sheet

To: ✓ **The Honorable Jonathan B. Howes**
Secretary
Department of Environment, Health, and Natural Resources
Raleigh, NC

From: **Craig M. Shoemaker**
President
Company: **Singer Furniture Company**
Phone: **910-802-4612**
Fax: **910-889-2418**
Date: **July 30, 1996**

Pages including **Five (5)**
this cover page:

Comments: **Letter**

**SINGER
FURNITURE**

July 30, 1996

The Honorable Jonathan B. Howes
Secretary
Department of Environment, Health,
and Natural Resources
P.O. Box 28687
Raleigh, North Carolina 27611-7687

Re: Proposed Sampling, Singer Furniture Company Facility
Chocowinity, North Carolina

Dear Secretary Howes:

Singer Furniture Company (SFC) operates a manufacturing facility in Chocowinity, North Carolina. In 1980, SFC filed a Resource Conservation and Recovery Act (RCRA) Part A Interim Status permit application as a protective filer. The RCRA Part A permit would allow SFC to store, treat, and dispose of hazardous waste. SFC never performed any storage, treatment, or disposal activities at the Chocowinity facility. In 1981, SFC requested that the Part A permit application be withdrawn and the facility's status be changed to that of a generator of hazardous waste only. In January 1982, the State of North Carolina approved SFC's request. SFC was not required to perform a formal closure as a part of the change in status. The facility is currently regulated as a large quantity generator of hazardous waste and is in compliance with current RCRA regulations.

In 1984, the North Carolina Solid and Hazardous Waste Management Branch completed and recommended no further action for the facility. In August 1990, the NUS Corporation (NUS), an United States Environmental Protection Agency (EPA) contractor, performed a Site Inspection (SI) at the facility. The SI included the collection of soil and groundwater samples at the facility. Based on the analyses of the collected samples, the SI report recommended a site prioritization be performed.

HOWES1.DOC

SINGER FURNITURE COMPANY

P.O. BOX 11067 • HIGH POINT, NC 27265-1067 • (910)802-4600 • FAX: (910)889-2414

July 30, 1996

Page 2

In 1994, the Dynamac Corporation (Dynamac), an United States Environmental Protection Agency contractor completed a Site Inspection Prioritization Report (SIPR) for the Chocowinity facility. The objective of the SIPR was to evaluate the characteristics of the site and surrounding areas in order to provide a recommendation concerning further investigation activities at the site. Dynamac concluded that no further investigation activities were recommended for the site.

In February 1996, personnel from the Special Remediation Branch (SRB) of the North Carolina Department of Environment, Health, and Natural Resources' Division of Solid Waste Management informed personnel at the Chocowinity facility that the collection of soil samples would be collected from 20 locations on the SFC facility and surrounding properties. They also informed SFC that SRB personnel would be coming to the Chocowinity facility to look over the facility. On February 22, 1996 at the Chocowinity facility, Jerry Marlowe of SFC and Tom Robertson of Environmental Quality Management, Inc. (EQ) a consultant for SFC, met with Jeanette Stanley of the SRB. At the site meeting Messrs. Marlowe and Robertson informed Ms. Stanley that SFC would like to obtain splits of all the samples collected by SRB personnel and they also offered an alternative sampling plan that would reduce the number of required sampling locations. Ms. Stanley indicated that she did not have the authority to approve the providing of split samples to SFC or of an alternative sampling plan and she would have to consult her supervisors regarding these matters. Ms. Stanley stated that the sampling activities may be performed by one or two sampling crews over a time period of one to two days.

On May 31, 1996, Ms. Stanley sent a letter to Mr. Marlowe that indicated that SRB personnel planned on taking samples at the Chocowinity facility on June 19 and 20, 1996. The letter also indicated that SFC could receive split samples from the SRB personnel. The letter did not indicate whether the SRB was considering the alternative sampling plan or the total number of samples to be collected by SRB personnel. The letter also did not indicate the number of crews that would be performing the sampling activities. Subsequent to receiving the letter from Ms. Stanley, SFC requested that the SRB sampling activities be delayed for SFC to obtain contracting approvals for the laboratory analyses of the samples and consultant costs for oversight of the SRB sampling activities. SRB provided SFC an verbal approval of the delay of sampling activities.

July 30, 1996

Page 3

Recently, SFC personnel at the Chocowinity facility received a phone call from Harry Zinn of the SRB that the proposed sampling activities would begin on August 6, 1996. Mr. Zinn did not indicate how many sampling teams would be involved, the length of the time the sampling will be performed, nor the total number of samples to be collected.

SFC has never received a copy of a sampling and analysis plan (SAP) or a health and safety plan (HSP) that the SRB intends to follow during their sampling activities. The lack of an opportunity to review these items, combined with the ambiguity of the number of crews and length of time the sampling will be performed, has made it difficult for SFC and its consultant to allocate resources for the collection of the split samples from the SRB personnel. It has been SFC's experience that the Division of Solid Waste Management would not allow a company to perform the collection of samples intended to determine whether an impact to the environment or human health has occurred without first approving the SAP and HSP to be followed to collect those samples. Therefore, it seems inappropriate to SFC that neither they or their consultant should not have an opportunity to examine the SAP and HSP that the SRB intends to follow in collecting the samples at the Chocowinity facility. The lack of an opportunity to review the SAP and HSP, along with the sampling period and crew number ambiguity, affects the staffing and equipment required by our consultant. These uncertainties will require higher consultant costs that SFC ultimately has to pay.

We want to advise you that we are opposed to any further testing at Chocowinity based upon the results of Dynamac's report to the EPA Site Assessment. Please note again that no further action was recommended by EPA's contractor.

We are concerned that the additional testing you have proposed is not merited and creates a needless consultant expense and public relations issue for our company. Our interpretation of the existing data is that nothing posing a threat to human health and the environment exists on the site.

We recognize that despite our objections you could pursue administrative options to gain entry. We feel that as a good corporate citizen with a record of cooperation with DEHNR, it would be appropriate for you to advise us in advance of your sampling plan, sampling procedures and schedule for both our property and that of contiguous neighboring owners. With this information

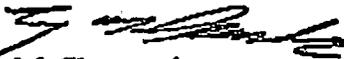
July 30, 1996
Page 4

we would then propose we have the opportunity to comment on and discuss these issues with you.

Singer considers this proposed sampling event to be of such seriousness that I am requesting a personal meeting with you at your earliest available opportunity. I also propose a moratorium on sampling until we can discuss these issues with you and your staff personally. I am prepared to re-work my schedule to accommodate such a meeting to the fullest extent possible. I look forward to hearing from you and the opportunity to discuss these important issues with you.

Very truly yours,

SINGER FURNITURE COMPANY


Craig M. Shoemaker
President

CMS/mr

cc: William Myers, Director
Division of Solid Waste Management
Jack Butler, Chief, Superfund Section
Bruce Nicholson, Chief
Special Remediation Branch

File

SITE HEALTH AND SAFETY PLAN

A. General Information

Site Name Singer Co. Furniture Div-Washington ID # NCD 072 012 354

Location About 3 miles south on hwy 17 from
Washington, NC, Chocowinity, Beaufort County, NC

Proposed Date of Investigation August 6, 1996

Date of Briefing August 5, 1996

Date of Debriefing August 7, 1996

Nature of Visit (check one):

| | |
|-------------------------|----------|
| On-Site Reconnaissance | _____ |
| Off-Site Reconnaissance | _____ |
| Sampling | <u>X</u> |
| Sampling Overview | _____ |
| Remediation Overview | _____ |

Health Department Official Contacted Al Gerard

Date of Contact June 4, 1996

Site Investigation Team: All site personnel have read the Site Health and Safety Plan and are familiar with its provisions.

| <u>Personnel</u> | <u>Responsibilities</u> | <u>Signature</u> |
|---|------------------------------|-------------------------|
| Team 1 <u>Jeanette Stanley</u> | <u>team leader, sampling</u> | <u>Jeanette Stanley</u> |
| Team 1 <u>Harry Zinn</u> | <u>sampling</u> | <u>Harry Zinn</u> |
| Team 2 <u>Doug Rumford</u> | <u>sampling</u> | <u>Doug Rumford</u> |
| Team 2 <u>Stuart Parker</u> <u>Serafino Franch</u> | <u>sampling</u> | <u>Stuart Parker</u> |

Plan Preparation:

Prepared By: David Lilley, Industrial Hygiene Consultant

Reviewed By: Jack Butler, Superfund Section Chief

David Lilley
Jack Butler

B. SITE/WASTE CHARACTERISTICS

Waste Type(s) Liquid Solid Sludge Gas Vapor
 Characteristics Corrosive Ignitable Radioactive
 Volatile Toxic Reactive Other

List Known or Suspected Hazards (physical, chemical biological or radioactive) on Site and their toxicological effects. Also, if known, list chemical amounts

| HAZARD | WARNING PROPERTIES | EXPOSURE LIMIT |
|-----------------------------------|--------------------------------------|------------------------------|
| <u>Chromium</u> | <u>Odor Threshold (OT) = no data</u> | <u>0.01 mg/m³</u> |
| <u>Lead</u> | <u>OT = no data</u> | <u>0.05 mg/m³</u> |
| <u>Dieldrin</u> | <u>OT = 0.041 ppm</u> | <u>0.25 mg/m³</u> |
| <u>alpha-chlordane</u> | <u>OT = "odorless"</u> | <u>0.5 mg/m³</u> |
| <u>bis(2-ethylhexyl)phthalate</u> | <u>OT = no data</u> | <u>5 mg/m³</u> |
| <u>PCBs</u> | <u>OT = no data</u> | <u>0.5 mg/m³</u> |
| <u> </u> | <u> </u> | <u> </u> |

UNDERGROUND UTILITIES CHECKLIST

| <u>Utility</u> | <u>Locator/Contact Person</u> | <u>Phone #</u> | <u>Date of Location</u> |
|----------------|-------------------------------|----------------|-------------------------|
| Power | <u>NA</u> | <u> </u> | <u> </u> |
| Telephone | <u>NA</u> | <u> </u> | <u> </u> |
| Gas | <u>NA</u> | <u> </u> | <u> </u> |
| Water | <u>NA</u> | <u> </u> | <u> </u> |
| Sewer | <u>NA</u> | <u> </u> | <u> </u> |

Call made by:

Facility Description: Size unknown Buildings yes

Disposal Methods Being Investigated Possible spills.

Unusual Features on Site (dike integrity, power lines, terrain, etc.):
none known

History of the Site: The Singer Company manufactures furniture case goods, including bedroom, dining room, living room, and sewing machine cabinets. Their hazardous waste includes paint, paint thinners, spent solvents, sanding material, and spray booth clean-up material.

C. HAZARD EVALUATION

The site can be toured and sampled in level D protection. PVC gloves will be worn while collecting sediment and soil samples, nitrile gloves under PVC gloves will be worn if discolored soil or sediment is encountered. Chemically resistant work boots will be worn while touring and sampling the site. A tyvek suit will be carried to the sediment sampling locations and will be worn if samples cannot be obtained without getting clothing muddy.

D. WORK PLAN INSTRUCTION

Map or Sketch Attached? yes

Perimeter Identified? no

Command Post Identified? no

Zones of Contamination Identified? no

Personal Protective Equipment/Level of Protection: C X D

Modifications _____

Surveillance Equipment:

| | |
|--------------------------------|--|
| <u> </u> HNU | <u> </u> Detector Tubes and Pumps |
| <u> </u> OVA | <u> </u> O2 Meter |
| <u> </u> Explosimeter | <u> </u> Radiation Monitor |

Decontamination Procedures

 Level C Respirator wash, respirator removal, suit wash (if needed),
 suit removal, boot wash, boot removal and glove removal.

 X Level D Boot wash and rinse and boot removal, suit removal, glove
 and goggle removal.

Modifications Dispose of trash properly, on-site if possible.

Work Schedule/Visit Objectives The purpose of this visit is to determine
if the site poses a threat to the public health or environment because of
releases of contaminants to soil, surface water, groundwater, or air.
Sampling may consist of sediment and surface soil sampling.

EMERGENCY PRECAUTIONS

| <u>Route of Exposure</u> | <u>First Aid</u> |
|--------------------------|---|
| <u>Eyes</u> | <u>irrigate immediately</u> |
| <u>Skin</u> | <u>soap and water wash</u> |
| <u>Inhalation</u> | <u>fresh air and artificial respiration</u> |
| <u>Ingestion</u> | <u>get medical attention immediately</u> |

Location of Nearest Phone: on-site: this is an operational facility

Hospital (Address and Phone Number)

Beaufort County Hospital, 628 East Twelfth St., Washington, NC 27889

(919)975-4100

Emergency Transportation Systems (Phone Numbers)

Fire 911

Ambulance 911

Rescue Squad 911

Emergency Route to Hospital Turn left onto Route 17 and travel into

Washington, then turn right onto Route 264. The hospital is about 5 miles

from the site.

PREVAILING WEATHER CONDITIONS AND FORECAST Partly cloudy with a chance of

thunderstorms, high of around 91.

EQUIPMENT CHECKLIST

- | | |
|---|---|
| <input type="checkbox"/> Air purifying respirator | <input checked="" type="checkbox"/> First Aid Kit |
| <input type="checkbox"/> Cartridges for respirator | <input checked="" type="checkbox"/> 3 gal. Deionized H2O |
| <input type="checkbox"/> Eye Wash Unit | <input checked="" type="checkbox"/> Rain suit |
| <input type="checkbox"/> HNU | <input checked="" type="checkbox"/> Gloves (PE/PVC/nitrile/cloth) |
| <input type="checkbox"/> OVA | <input checked="" type="checkbox"/> Boots/Boot Covers |
| <input type="checkbox"/> Explosimeter | <input checked="" type="checkbox"/> Coveralls (tyvek/saranex) |
| <input type="checkbox"/> Radiation Monitor | <input checked="" type="checkbox"/> Eye Protection (goggles/shield) |
| <input checked="" type="checkbox"/> Decontamination Materials | <input checked="" type="checkbox"/> Hard Hat |

Poison Control Center - State Coordinator

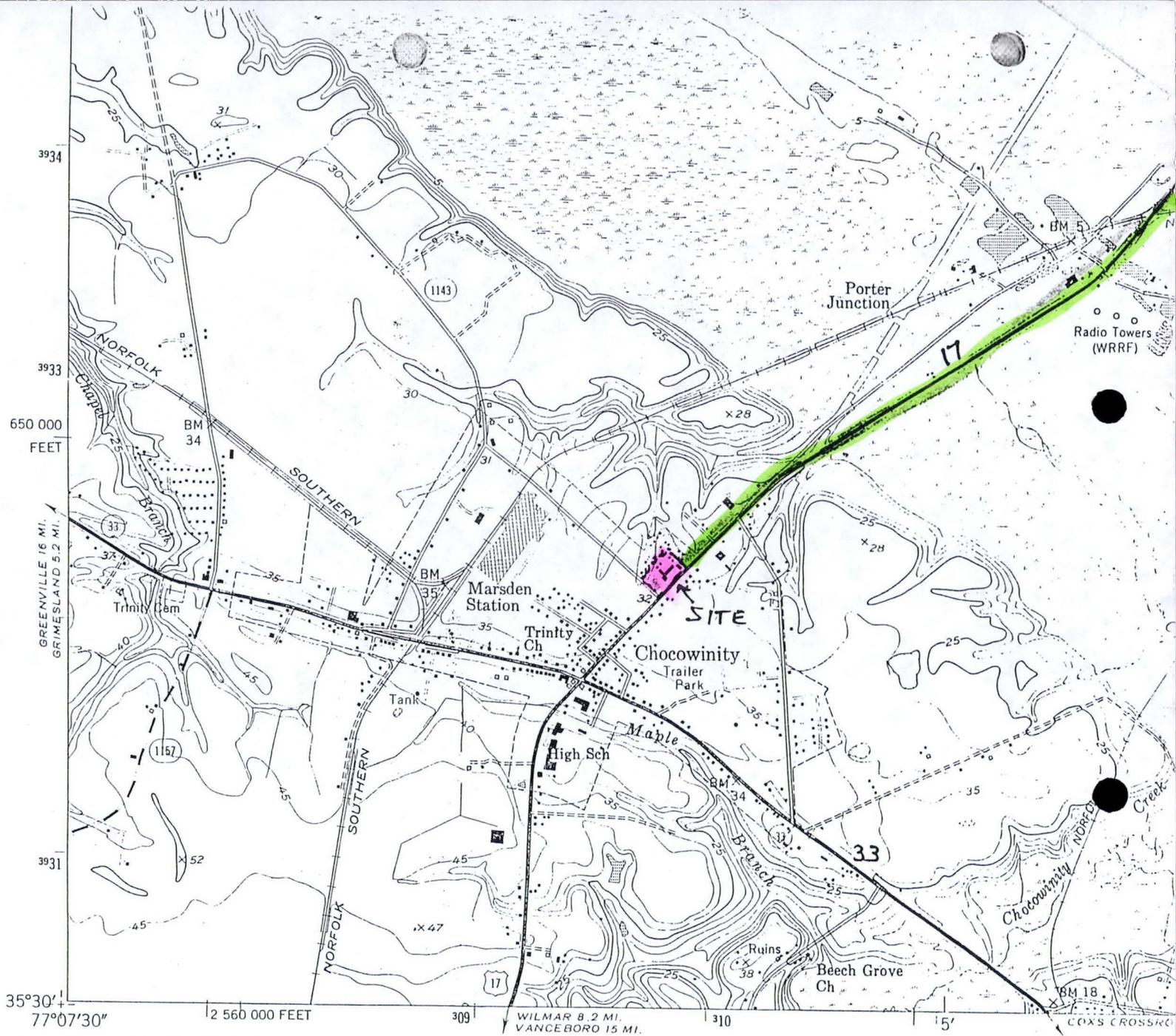
Duke University Medical Center

Telephone: 1-800-672-1697

Box 3024

Durham, NC 27710

| | | | |
|---|--|--|---|
| ASHEVILLE 704-255-4490 | Western NC Poison Control Center Memorial Mission Hosp. 509 Biltmore Ave. 28801 | HENDERSONVILLE 704-693-6522 Ext. 555,556 | Margaret R. Pardee Memorial Hospital Fleming St., 28739 |
| CHARLOTTE 704-379-5827 | Mercy Hospital 2001 Vail Ave, 28207 | HICKORY 704-322-6649 | Catawba Mem. Hosp. Fairgrove Chur. Rd 28601 |
| DURHAM 1-800-672-1697 | Duke Univ. Med. Center Box 3007, 27710 | JACKSONVILLE 919-577-2555 | Onslow Mem. Hospital Western Blvd. 28540 |
| GREENSBORO 919-379-4105 safeform.306a | Moses Cone Hospital 1200 N. Elm St. 27420 | WILMINGTON 919-343-7046 | New Hanover Mem. Hospital 2131 S. 17th St. 28401 |



(WILMARI)
55541 NW

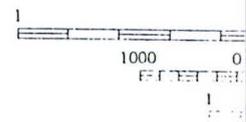
Mapped by the U. S. Coast and Geodetic Survey
 Edited and published by the Geological Survey

Control by NOS/NOAA (C) and USCE (E)

Culture and drainage in part by photogrammetric
 methods from aerial photographs taken 1948

Topography by planetable surveys 1949. Field checked 1951

Hydrography from survey dated 1948 and supplementary information



HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Chromium (VI), insoluble salts

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

Chemical Formula varies with compound 1
Natural Physical State at 25°C solid 1
- Vapor Pressure N/A mm Hg at 20°C _____
- Melting Point _____ °F/°C Boiling Point _____ °F/°C _____
- Flash Point (open or closed cup) N/A °C/°F _____
- Solubility - H2O not soluble in water 1
Other _____

Physical Features: (odor, color, etc.) Properties vary depending upon specific compound. Compounds include: zinc chromate, lead chromate, calcium chromate, etc.

II. TOXICOLOGICAL DATA

Standards: 0.01 mg/m3(2) TLV 0.5mg/m3(4) PEL 500 mg/m3 (3) IDLH

Routes of Exposure: Inhalation and ingestion

Acute/Chronic Symptoms: Chronic: fibrosis of the lung and epidemiological studies have shown increased incidence of lung cancer among workers in the manufacture of chrome pigments

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: Chromium (VI), insoluble salts

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes ___ No X _____

Toxic by-products _____

B. Flammability LEL N/A UEL _____

C. Reactivity Hazard strong oxidizers 3

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|--------|---------------|-------|
| Background | yes/no | _____ | _____ |
| Alpha particles | yes/no | _____ | _____ |
| Beta particles | yes/no | _____ | _____ |
| Gamma radiation | yes/no | _____ | _____ |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH
3. Pocket Guide to Chemical Hazards, NIOSH, 1990
4. 29 CFR 1910.1000

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Lead, inorganic dusts

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|---|---------------|
| Chemical Formula <u>Pb</u> | <u>1</u> |
| Natural Physical State at 25°C <u>solid</u> | <u>1</u> |
| Vapor Pressure <u>N/A</u> mm Hg at 20°C | <u>1</u> |
| Melting Point <u>327.4</u> °F/ <u>°C</u> Boiling Point <u>1,740</u> °F/ <u>°C</u> | <u>1</u> |
| Flash Point (open or closed cup) <u>N/A</u> °C/ <u>°F</u> | <u> </u> |
| Solubility - H ₂ O <u>N/A</u> | <u> </u> |
| Other <u>N/A</u> | <u> </u> |

Physical Features: (odor, color, etc.) appearance and odor vary depending upon specific compound.

II. TOXICOLOGICAL DATA

suspected or conformed human carcinogen

Standards: .15 mg/m³ (2) TLV 0.05 mg/m³ (3) PEL
N/A (4) IDLH

Routes of Exposure: inhalation, ingestion, eye contact, skin contact(3)

Acute/Chronic Symptoms: Acute: lassitude, pallor, constipation, abdominal pain, gingival gum line, tremors. Target organs: GI tract, CNS, kidneys, blood.(3)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Dieldrin

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|--|------------|
| Chemical Formula <u>C12 H8 C16 O</u> | <u>1</u> |
| Natural Physical State at 25°C <u>solid, crystals</u> | <u>1</u> |
| Vapor Pressure <u>3.1 x 10⁻⁶ mm Hg at 20°C</u> | <u>1</u> |
| Melting Point <u>176-177</u> °F/°C Boiling Point <u>decomposes</u> °F/°C | <u>1,2</u> |
| Flash Point (open or closed cup) <u>N/A</u> °C/°F | <u>3</u> |
| Solubility - H ₂ O <u>0.02%</u> | <u>3</u> |
| Other <u>moderate sol. in common organic</u> <u>solvents</u> | <u>1</u> |

Physical Features: (odor, color, etc.) light brown, nonflammable solid. Dry flakes at 25°C (2), mild chemical odor (3).

II. TOXICOLOGICAL DATA

| | | |
|---|--------------------------------------|----------------------------|
| skin | skin | Potential human |
| Standards: <u>0.25 mg/m³ (4) TLV</u> | <u>0.25 mg/m³ (5) PEL</u> | <u>Carcinogen (3) IDLH</u> |

Routes of Exposure: Skin absorbtion, inhalation, and ingestion, Eye contact

Acute/Chronic Symptoms: Acute: hyperirritability, convulsions, and/or coma, sometimes accompanied by nausea, vomiting and headache. Chronic: fainting, muscle spasms, tremors and loss of weight. (2)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: Dieldrin

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes No X 3

Toxic by-products HCl may form 6

B. Flammability LEL UEL

C. Reactivity Hazard concentrated mineral acids and 2
catalysts, acid oxidizing agents, phenols and active metals

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|--------|---------------|------------|
| Background | yes/no | <u> </u> | <u> </u> |
| Alpha particles | yes/no | <u> </u> | <u> </u> |
| Beta particles | yes/no | <u> </u> | <u> </u> |
| Gamma radiation | yes/no | <u> </u> | <u> </u> |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Documentation of the TLV, 4th Edition, 1980.
3. NIOSH/OSHA Pocket Guide to Chemical Hazards, 1987.
4. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH.
5. 29 CFR 1910.1000
6. Chemical Hazard Response Information System, US Coast Guard, 1985.

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Chlordane

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|---|-----------|
| Chemical Formula <u>C₁₀H₆Cl₈*</u> | <u>1</u> |
| Natural Physical State at 25°C <u>liquid</u> | <u>1</u> |
| Vapor Pressure <u>1 x 10⁻⁵</u> mm Hg at 20°C | <u>2</u> |
| Melting Point _____ °F/°C Boiling Point <u>decomposes</u> °F/°C | <u>3</u> |
| Flash Point (open or <u>closed cup</u>) (<u>liquid</u>) <u>132</u> °C/°F | <u>7</u> |
| Solubility - H ₂ O <u>insoluble</u> | <u>1</u> |
| Other <u>miscible with aliphatic and aromatic solvents</u> | <u>1</u> |

Physical Features: (odor, color, etc.) viscous amber colored liquid¹. It is odorless.² Formulations: Granules, dusts, wettable powder, emulsion concentrate and oil solutions.

II. TOXICOLOGICAL DATA

(skin)

Standards: 0.5 mg/m³ (5) TLV 0.5 mg/m³ (6) PEL 500 mg/m³ (3) IDLH

Routes of Exposure: Inhalation, ingestion, skin absorbtion, eye contact

Acute/Chronic Symptoms: Acute: irritating to skin, irritability, convulsions, and deep depression. Chronic: liver damage possible.
(1)

First Aid: Eyes: irrigate immediately; Skin: soap wash immediately; Inhalation: fresh air and ariticial respiration; Ingestion: get medical attention immediately.

* Commercial product is a mixture containing 60 to 75% pure compound and 25 to 40% related compounds. Chlorine content 64 - 67%.

Chemical Name: Chlordane

III. HAZARDOUS CHARACTERISTICS

Reference

A. Combustibility Yes X No (as liquid) 7

Toxic by-products Irritating and toxic hydrogen chloride
and phosgene gases may be formed when kerosene solution burns 7

B. Flammability LEL 0.7% UEL 5% 7

C. Reactivity Hazard stable in alkaline conditions 4

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|---------------|---------------|-------------|
| Background | <u>yes/no</u> | <u> </u> | <u> </u> |
| Alpha particles | <u>yes/no</u> | <u> </u> | <u> </u> |
| Beta particles | <u>yes/no</u> | <u> </u> | <u> </u> |
| Gamma radiation | <u>yes/no</u> | <u> </u> | <u> </u> |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Documentation of the TLV, 4th Edition, 1980.
3. NIOSH/OSHA Pocket Guide to Chemical Hazards, 1987.
4. Farm Chemicals Handbook, 1982.
5. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH
6. 29 CFR 1910.1000
7. Chemical Hazard Response Information System, US Coast Guard, 1985

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: bis (2-ethylhexyl) phthalate (Di-sec-octyl phthalate)

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

Chemical Formula C₂₄ H₃₈ O₄ 1
Natural Physical State at 25°C liquid 1
Vapor Pressure 1.32 mm Hg at 20°C 4
Melting Point _____°F/°C Boiling Point _____°F/°C _____
Flash Point (open or closed cup) 425 °C/°F 5
Solubility - H₂O insoluble in water 1
Other miscible w/ mineral oil and hexane 1

Physical Features: (odor, color, etc.) A light colored, odorless liquid very viscous. (4)

II. TOXICOLOGICAL DATA

Standards: 5mg/m³(2) TLV 5 mg/m³(3) PEL none found IDLH

Routes of Exposure: inhalation, ingestion, eye contact, skin contact

Acute/Chronic Symptoms: a substance of low toxicity by all routes of exposure irritating to eye, mucous membranes, nausea & diarrhea. Suspect carcinogen.(4)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: bis (2-ethylhexyl)phthalate

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes No 5

Toxic by-products none 5

B. Flammability LEL none found UEL _____

C. Reactivity Hazard none found

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|--------|---------------|-------|
| Background | yes/no | _____ | _____ |
| Alpha particles | yes/no | _____ | _____ |
| Beta particles | yes/no | _____ | _____ |
| Gamma radiation | yes/no | _____ | _____ |

IV. REFERENCES

- (1) The Merck Index 11th Edition 1989
- (2) Threshold Limit Values and Biological Exposure Indices for 1994-1995.
- (3) 29 CFR 1910.1000.
- (4) Documentation of the TLVs, 4th Edition ACGIH, 1980
- (5) Chemical Hazard Response Information System, US Coast Guard, 1985

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility (Instability w/very high heat) 1,3

Toxic by-products HCl & CO gases may be released 1,3

B. Flammability LEL N/A UEL

C. Reactivity Hazard contact with strong oxidizers may 1,3
cause fire or explosion.

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

E. Radioactive Hazard Exposure Rate
Background yes/no

Alpha particles yes/no

Beta particles yes/no

Gamma radiation yes/no

IV. REFERENCES

1. Chemical Safety Data Guide, BNA - 1985.
2. Pocket Guide to Chemical Hazards, NIOSH - 1990.
3. PA Chemical Emergency Preparedness Program - Chemical Profiles - 1985
4. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH
5. 29 CFR 1910.1000.

Chemical Name: PCBs (polychlorinated biphenyls) 42% & 54% chlorine

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

| | | |
|----------------------------------|--|------------|
| Chemical Formula | <u>C12H7C13 (42%) & C12H7C15 (54%)</u> | <u>1-3</u> |
| Natural Physical State at 25°C | <u>liquid</u> | <u>1-3</u> |
| Vapor Pressure | <u>0.001</u> mm Hg at 20°C | <u>1-3</u> |
| Melting Point | <u>-19-10</u> °F/°C Boiling Point <u>325-390</u> °F/°C | <u>1-3</u> |
| Flash Point (open or closed cup) | <u>349-432</u> °C/°F | <u>1</u> |
| Solubility - H ₂ O | <u>insoluble</u> | <u>1-3</u> |
| Other | _____ | _____ |

Physical Features: (odor, color, etc.) colorless to dark brown liquid
with a mild hydrocarbon odor.

II. TOXICOLOGICAL DATA

1 mg/m³ (42%) 1 mg/m³ (42%) potential
human
Standards: 0.5 mg/m³ (54%) (4) TLV 0.5 mg/m³ (54%) (5) PEL
carcinogen (6) IDLH

Routes of Exposure: Inhalation, skin and ingestion

Acute/Chronic Symptoms: Irritates the eyes, nose, and skin. Can cause
chloracne. Liver injury is possible. May cause jaundice and dark
urine. (2)

First Aid: Inhalation: artificial respiration; Ingestion: get
medical
attention immediately; Eye contact: irrigate immediately; Skin
contact:
soap and water wash immediately

Chemical Name: PCB's

MEMO

DATE: August 5, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section

A handwritten signature in cursive script that reads "Jeanette Stanley". The signature is written in black ink and is positioned to the right of the typed name in the "FROM:" field.

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

Today, I talked with Warren Corliss, Plant Manager, Greenville Ready Mix Plant (919) 974-1313. I informed him that we would be in the area tomorrow doing an environmental investigation in connection with the Singer Plant. I explained that we would be taking samples in ditches and wanted to alert him. He said that I should call Mr. Finley Messick, General Manager at (919) 756-0782 in the Greenville office. I also did this today and explained that his plant was not under investigation. We simply needed to take samples for background purposes. He said that would be fine.

Today, I also called Pamlico Machine & Tool at (919) 974-2000. I talked with Darryl Boyd, Shop Floor Manager. He said that the Office Manager was not in today. I explained that we would be in the area doing an environmental investigation tomorrow and that we would be taking some samples in ditches for background purposes. I said that his facility was not under investigation. He said that would be fine.

MEMO

DATE: August 2, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section

RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354



Yesterday, (August 1, 1996) NC Superfund Section received a copy of a letter from Craig Shoemaker, President, Singer Furniture addressed to Jonathan B. Howes, Secretary, NC DEHNR. This letter is attached. Bruce Nicholson, Harry Zinn and I called Mr. Goldberg at (540) 366-0361 to discuss this letter. We stated that we sent and have been willing to send materials to him, but we had not received a request for the sampling plan. Mr. Goldberg stated that he was under the impression that there was no further action recommended for the Singer - Washington facility. I was uncertain why he was under this impression since several previous communications with his company have stated our intent to perform additional sampling under CERCLA. I told Mr. Goldberg that I would FAX the materials requested in the letter except the health and safety plan was not yet available and we would FAX it when available. I sent by FAX a copy of EPA's decision paper dated April 29, 1994, my memos to file dated June 17, 1996 and July 31, 1996, my letter to Mr. Goldberg dated June 17, 1996, and the sampling plan with map.

On the morning of August 2, 1996, Bruce Nicholson and I called Mr. Goldberg to determine if he had received our FAX. He had not checked but called us back around 10:00 am and said that he had not received the FAX. I FAX'd the material again and he received it. Evidently, two numbers were transposed either when he originally gave me the number or when I wrote it down. The correct FAX number is (540) 366-0365. I FAX'd the Health and Safety Plan around 1:00 pm on August 2, 1996.

Also on August 2, 1996, I talked with Singer's Environmental Consultant, Darryl Hollowell (919) 489-5299 with Environmental Quality Management. He requested a rinsate blank of our equipment. I told him that we conduct our own rinsate blanks, but we would be willing to work with him. I agreed to using our water for the rinsate blank. Mr. Hollowell stated that he did not want an adversarial arrangement. He expressed some concern about the lack of a background along a railroad track. He said that he had never been to the site. I said that there probably wasn't a clear surface water runoff pathway in this area, but I had built in several extra samples if this was a problem. I explained to Mr. Hollowell that this particular sampling plan has numerous backgrounds and that several of these samples were placed to address concerns of the environmental consultant, somewhat expanding the number of samples. Mr. Hollowell communicated to me that Singer was expecting us to arrive on Tuesday and would be ready to receive splits.

MEMO: August 2, 1996
FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section
RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I called Mr. Goldberg to alert him to the fact that I had FAX'd the Health and Safety Plan as he requested. He said that he would meet me at the site in Chocowinity on Tuesday in the morning. He said that he preferred to get this investigation over with and that he did not anticipate any refusal to site access from Mr. Shoemaker, the company president. I mentioned Mr. Shoemaker's June 30, 1996 letter that requested our postponement on this investigation, and he indicated that they now understood our intentions and did not want to hold up the investigation.

file

MEMO

DATE: July 31, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section



RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I spoke with Mr. Jerry Marlowe, Singer Company Furniture Division, Environmental Affairs, (540) 366-0361 ext. 237. I reminded him that we would be there to collect samples on August 6, 1996, early in the morning. He said that he would relay the message to Mr. Bill Foster.

file

MEMO

DATE: June 17, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section



RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I spoke with Mr. Norman Goldberg on June 12, 1996. He said that he has taken over Mr. Jerry Marlowe's environmental duties for the company. His number is (540) 366-0361 ext. 237. We discussed that the planned ESI has been rescheduled per Mr. Marlowe's request. Mr. Goldberg requested that I send a letter to him confirming that the ESI has been rescheduled., which I did today.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



June 17, 1996

Mr. Norman Goldberg
Singer Company
3322 Hollins Rd. NE
Roanoke, VA 24012

Dear Mr. Goldberg:

Per your request, I am writing this letter to confirm that the NC Superfund Section sampling event has been rescheduled. Due to previously planned events within your company, Mr. Jerry Marlowe requested that this event be rescheduled. The Expanded Site Inspection sampling event that was originally scheduled for June 19 - 20, 1996 has been rescheduled for August 6 - 7, 1996.

You may receive split samples of any or all of the samples, but you must provide your own sample containers. We will be using two teams throughout the sampling event.

I understand that you have recently been assigned the environmental duties formerly performed by Mr. Marlowe. If you have any questions, please call me at (919) 733-2801 ext. 316.

Sincerely,

Jeanette Stanley
Environmental Chemist

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



June 12, 1996

Mr. Bruce Garris
5875 Highway 118
Grifton, NC 28530

Dear Mr. Garris:

I have not yet received a response to the letter I sent to you on May 31, 1996. I hope that I will have permission to cross your property to access the stream. The date of the investigation has been changed from June 19 - 20 to August 6, 1996. If you have any questions, please call me at (919) 733-2801 ext. 316.

Sincerely,

Jeanette Stanley
Environmental Chemist

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



May 31, 1996

Mr. Bruce Garris
5875 Highway 118
Grifton, NC 28530

Dear Mr. Garris:

Tax maps show that you own property in Chocowinity, NC. I am preparing to do an environmental investigation and will need to sample a stream in the area on June 18 or 19, 1996. In order to sample this stream, I will need to cross your property. I will be taking samples of the sediment and have them analyzed for volatile and semivolatile organic compounds and metals. This investigation is to determine if contamination on the Singer Company Furniture Division Washington site (NCD 072 012 354) has reached the stream.

May I have permission to enter your property in order to conduct my investigation?
Please respond to me at the following address or call me at (919) 733-2801 ext. 316.

NC Division of Solid Waste
ATTN: Jeanette Stanley
401 Oberlin Road
Raleigh, NC 27605

Sincerely,

Jeanette Stanley
Environmental Chemist

MEMO

DATE: June 3, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
North Carolina DEHNR, Superfund Section

RE: Singer Company Furniture Division Washington
Chocowinity / Washington County, North Carolina
NCD 072 012 354



I spoke withj Mr. Clarence Edwards, Plant Manager, Singer Company Furniture Division Washington (919) 946-5165. I also spoke with Jerry Marlowe (540) 366-0361 ext. 359 in the Singer Company headquarters at 3322 Hollins Rd. NE, Roanoke, VA 24012. Both individuals were informed that we would be conducting the ESI on June 19 and possibly into the 20th. Mr. Marlowe said that his representative would be Mr. Tom Robertson of Environmental Quality Management.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



RECEIVED

JUN 1 1996

SUPERFUND

May 31, 1996

Mr. Harold Lane
Rt. 7 Box 66B
Washington, NC 27889

Dear Mr. Lane:

Tax maps show that you own property in Chocowinity, NC. I am preparing to do an environmental investigation and will need to sample a stream in the area on June 18 or 19, 1996. In order to sample this stream, I will need to cross your property. I will be taking samples of the sediment and have them analyzed for volatile and semivolatile organic compounds and metals. This investigation is to determine if contamination on the Singer Company Furniture Division Washington site (NCD 072 012 354) has reached the stream.

May I have permission to enter your property in order to conduct my investigation? Please respond to me at the following address or call me at (919) 733-2801 ext. 316.

NC Division of Solid Waste
ATTN: Jeanette Stanley
401 Oberlin Road
Raleigh, NC 27605

Sincerely,

Jeanette Stanley
Jeanette Stanley
Environmental Chemist

Enclosures

P.O. Box 27687,
Raleigh, North Carolina 27611-7687
Voice 919-733-4996



FAX 919-715-3605
An Equal Opportunity Affirmative Action Employer
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Yes, you have my permission to cross my property to sample stream for sediment. Harold Lane

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



June 12, 1996

Mr. Harold Lane
Rt. 7 Box 66B
Washington, NC 27889

Dear Mr. Lane:

I have received your correspondence regarding access to the stream behind your property. The investigation date has changed from June 19 - 20 to August 6, 1996.

If you have any questions, you may call me at (919) 733-2801 ext. 316.

Sincerely,

Jeanette Stanley
Environmental Chemist

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



May 31, 1996

Mr. Harold Lane
Rt. 7 Box 66B
Washington, NC 27889

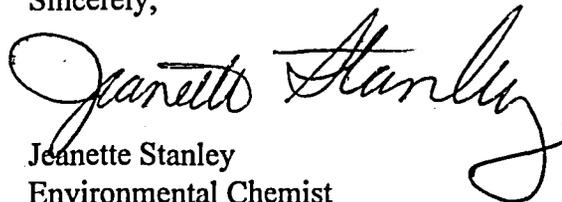
Dear Mr. Lane:

Tax maps show that you own property in Chocowinity, NC. I am preparing to do an environmental investigation and will need to sample a stream in the area on June 18 or 19, 1996. In order to sample this stream, I will need to cross your property. I will be taking samples of the sediment and have them analyzed for volatile and semivolatile organic compounds and metals. This investigation is to determine if contamination on the Singer Company Furniture Division Washington site (NCD 072 012 354) has reached the stream.

May I have permission to enter your property in order to conduct my investigation? Please respond to me at the following address or call me at (919) 733-2801 ext. 316.

NC Division of Solid Waste
ATTN: Jeanette Stanley
401 Oberlin Road
Raleigh, NC 27605

Sincerely,


Jeanette Stanley
Environmental Chemist

Enclosures

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



May 31, 1996

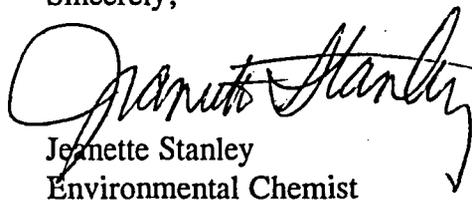
Mr. Jerry Marlowe
Singer Company
3322 Hollins Rd. NE.
Roanoke, VA 24012

Dear Mr. Marlowe:

Per your request, I am enclosing a copy of the Site Inspection Report and the Site Inspection Prioritization Report on the Singer Company Furniture Division Washington site (NCD 072 012 354). References are not included. You may view these references and any other information on this site by calling Scott Ross at (919) 733-2801 ext. 328 and making an appointment. We require appointments to insure that adequate space and copying facilities are available for your use. If you can not make the trip yourself but would like to see the original data, etc., you may want to contact a local temporary agency and have someone copy the entire file for you.

NC Superfund is planning to take samples on your property on June ~~18 and 19~~¹⁹⁺²⁰ 1996. You may receive split samples of any or all of the samples, but you must provide your own sample containers. If you have any questions, please call me at (919) 733-2801 ext. 316.

Sincerely,


Jeannette Stanley
Environmental Chemist

Enclosures

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
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William L. Meyer, Director



May 30, 1996

Ms. Cindy Gurley
NC CERCLA Project Officer
US EPA Region IV Waste Division
345 Courtland Street, NE
Atlanta, GA 30365

Subject: ESI Sampling Plan
Singer Company Furniture Division Washington
NCD 072 012 354
Chocowinity, Beaufort County, North Carolina

Dear Ms Gurley:

This letter contains the proposed sampling plan for the Expanded Site Inspection of Singer Company Furniture Division Washington, NCD 072 012 354, Chocowinity, Beaufort County, North Carolina. I plan to perform sampling June 18 - 19, 1996.

Due to concerns about potential surface water contamination at the site, the Singer Company Furniture Division site was recommended for further action by EPA after a SIP was completed by Dynamac Corporation in May 1994. The facility is currently permitted as a large quantity generator by RCRA. The wastestreams associated with this site are spent chlorinated solvents, paints, paint thinners, sanding materials, and spray booth clean-up materials. Past disposal practices at this plant consisted of placing wastes in 55 gallon drums and hauling the waste to the Lenoir Plant for incineration. Contamination at this site is most likely the result of small spills and not direct disposal of the waste.

The surficial aquifer at the site has been contaminated with barium, chromium, copper, lead, manganese, vanadium, and zinc. However, the main source of potable water is the Castle Hayne Aquifer, located beneath two continuous confining beds. Due to the small number of people in the vicinity of the site using groundwater as potable water, the groundwater pathway does not need to be sampled for this investigation.

P.O. Box 27687,
Raleigh, North Carolina 27611-7687
Voice 919-733-4996



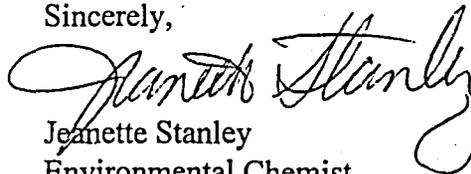
FAX 919-715-3605
An Equal Opportunity Affirmative Action Employer
50% recycled/10% post-consumer paper

Singer Company
ESI Sampling Plan
May 30, 1996
page 3

The surface water pathway is the primary concern for this Expanded Site Investigation. No surface water sampling has occurred except for on-site drainage ditches. These samples showed a release of bis (2-ethyl hexyl) phthalate, chromium, cobalt, copper, di-n-octylphthalate, lead, vanadium, and zinc. These ditch sample locations are approximately 1,000 feet from the probable point of entry (PPE). If these contaminants are found below over 1 mile of wetland frontage, further action under CERCLA will be required.

The attached table more clearly identifies the samples and the rationale for taking these samples. A map of the proposed sampling locations is attached. If you have any questions concerning this sampling plan, please call me at (919) 733-2801 ext. 316. Since I just inherited this site from Harry Zinn (ext. 313) and it was actually he who developed this sampling plan, he would be a good point of contact if I am not available.

Sincerely,



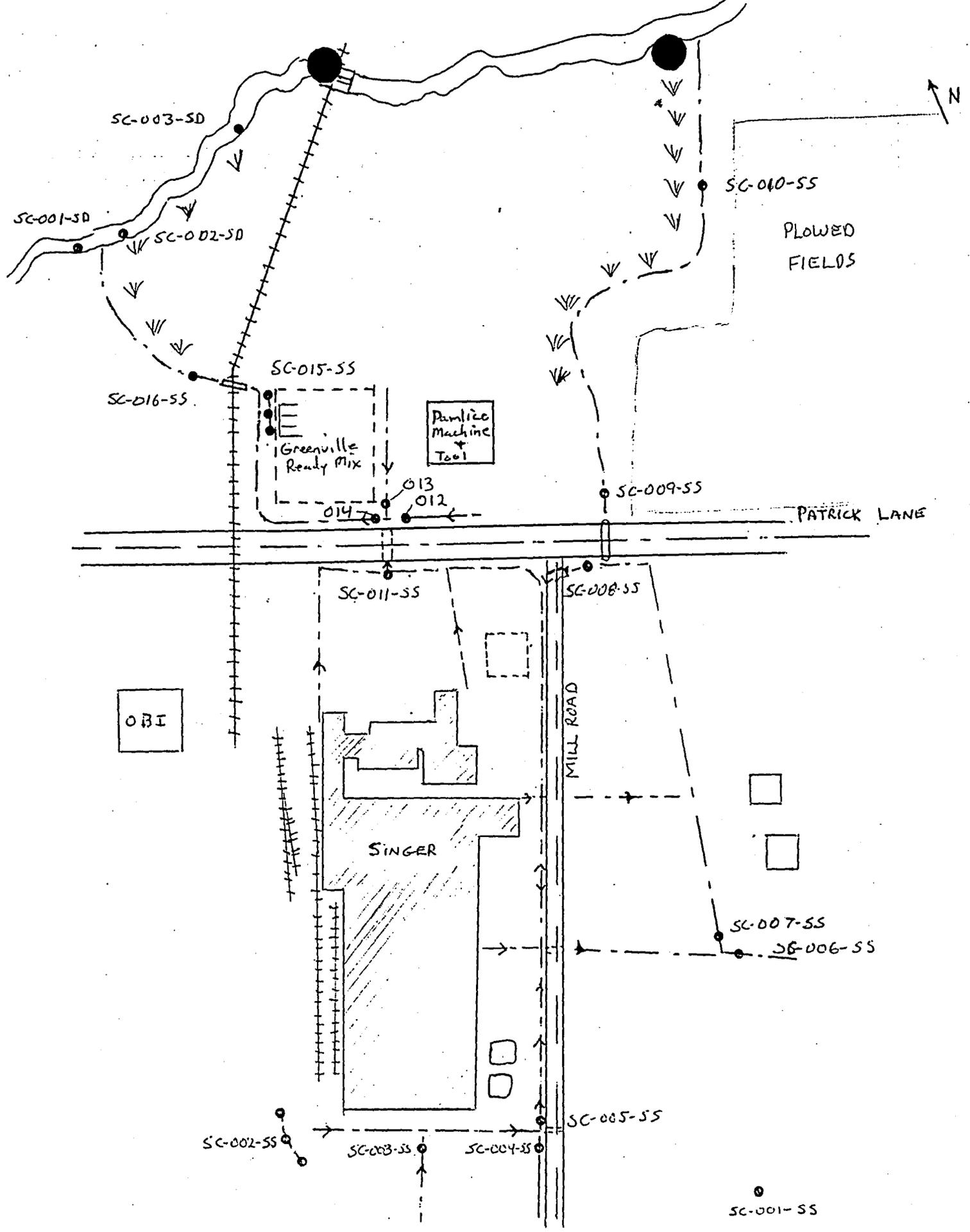
Jeanette Stanley
Environmental Chemist
NC Superfund Section

Approved by: _____ Date: _____
Cindy Gurley, NC CERCLA Project Officer

Singer Sampling Plan

| Sample # | Location | Analyses | Description |
|-----------|---|----------|--|
| SC-001-SS | East of Plant Area | V,B,I | Background soil sample collected from a field east of the site. |
| SC-002-SS | Southwest of Plant Area | V,B,I | 3 point composite sample of area around the beginning of drainage ditch along the south side of the plant area for background purposes.. |
| SC-003-SS | South of Plant Area | V,B,I | Background soil sample from a small ditch feeding into the drainage ditch along the south side of the plant. |
| SC-004-SS | Southeast of Plant Area | V,B,I | Background soil sample collected from the drainage ditch along Mill Road upgradient from its confluence with the drainage ditch along the south side of the plant. |
| SC-005-SS | Southeast of Plant Area | V,B,I | Soil sample collected from the drainage ditch along Mill Road downgradient from its confluence with the drainage ditch along the south side of the plant. Attribution Sample |
| SC-006-SS | East of Plant Area | V,B,I | Background soil sample collected from the drainage ditch between the fields along the east side of the plant and the residential area, upgradient of the confluence with the drainage ditch from the plant area. |
| SC-007-SS | East of Plant Area | V,B,I | Soil sample collected from the drainage ditch between the fields along the east side of the plant and the residential area, downgradient of the confluence with the drainage ditch from the plant area. |
| SC-008-SS | Northeast of Plant Area | V,B,I | Soil sample collected from the drainage ditch along Patrick Lane draining the northeastern portion of the plant for attribution to the surface water pathway. |
| SC-009-SS | East Drainage Ditch on north side of Patrick Lane | V,B,I | Soil sample collected from the eastern drainage ditch north of Patrick Lane. |

| | | | |
|-----------|---------------------------------|---------|--|
| SC-010-SS | East Drainage Ditch | V,B,I | Soil Sample Collected from the eastern drainage ditch 600 feet past the beginning of the wetland area on the western bank of the ditch to document a release of contaminants. |
| SC-011-SS | North of Plant Area | V,B,I | Soil sample collected from the drainage ditch north of the plant area before entering the culvert under Patrick Lane for attribution purposes. |
| SC-012-SS | North of Patrick Lane | V,B,I | Background soil sample from the drainage ditch south of the Pamlico Machine & Tool (PM&T). |
| SC-013-SS | North of Patrick Lane | V,B,I | Background soil sample from the drainage ditch between the PM&T and Greenville Ready Mix. |
| SC-014-SS | North of Patrick Lane | V,B,I | Soil sample collected from the drainage ditch along the north side of Patrick Lane downgradient from the confluence with the drainage ditches around PM&T and the culvert under Patrick Lane for attribution purposes. |
| SC-015-SS | West of Greenville Ready Mix | V,B,I | 3 point Composite soil sample from the bank along the west side of Greenville Ready Mix for attribution purposes. |
| SC-016-SS | West of Greenville Ready Mix | V,B,I | Soil sample collected downgradient from thr culvert under the railroad tracks for attribution purposes. |
| SC-001-SD | Unnamed Trib. to Crawford Creek | V,B,I | Background sediment sample on unnamed tributary of Crawford Creek upstream of the confluence with the drainage ditch from the site. |
| SC-002-SD | Unnamed Trib. to Crawford Creek | V,B,I | Sediment sample on unnamed tributary of Crawford Creek downstream of the confluence with the drainage ditch from the site for attribution purposes. |
| SC-003-SD | Unnamed Trib. to Crawford Creek | V,B,I | Sediment sample on unnamed tributary of Crawford Creek 600 feet downstream from the first parcel of wetlands located along this drainage pathway. |
| SC-101-SD | Unnamed Trib. to Crawford Creek | V, B, I | Duplicate of SC-001-SD |



SINGER COMPANY FURNITURE DIVISION WASHINGTON

SITE ASSESSMENT FIELD PROJECT
 CONTRACT LABORATORY PROGRAM
 ANALYTICAL REQUIREMENTS

4

 Date Submitted 5/31/96 [SAMPLE CONTROL USE ONLY]
 [Date Received _____]

State Point-of-Contact Jeanette Stanley
 State Contractor (if applicable) _____
 Field Project Subcontractor (if applicable) _____

Site Name Singer Company Furniture Division Washington
 City Chocowinity County Beaufort State NC
 EPA ID Number NC01072 012 354
 Type Study (Check One): SI _____ ESI X OTHER _____
 USEPA Site Assessment Manager _____

Sampling Date (Monday of Week) June 17, 1996

ROUTINE ANALYTICAL SERVICES (RAS)

| <u>Analysis Type</u> | <u>Number Water</u> | <u>Number Soil/Sediment</u> |
|-------------------------------------|---------------------|-----------------------------|
| VOA | _____ | <u>22</u> |
| Ext. Org. (BNA) <u>w/pesticides</u> | _____ | <u>22</u> |
| Pest./PCB's | _____ | _____ |
| Metals | _____ | <u>22</u> |
| CN | _____ | _____ |

SPECIAL ANALYTICAL SERVICES (SAS)

| <u>Analysis Type</u> | <u>Number Water</u> | <u>Number Soil/Sediment</u> | <u>Number Other</u> |
|----------------------|---------------------|-----------------------------|---------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

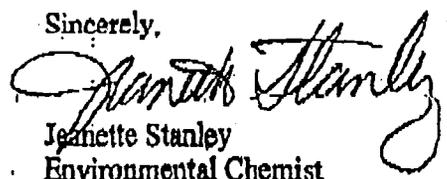
NOTE: Do not include Blanks and Spikes from ESD or Matrix Spikes and Matrix Spike Duplicates in total number. Do include field quality control samples such as trip blanks, field blanks, rinsates, preservative blanks, etc.

Singer Company
ESI Sampling Plan
May 30, 1996
page 3

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Sincerely,



Jeanette Stanley
Environmental Chemist
NC Superfund Section

Approved by: Cindy Gurley Date: 6/17/96
Cindy Gurley, NC CERCLA Project Officer

Site: Singer Company

? When will you be sampling? Nardina said the event has been postponed.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



May 31, 1996

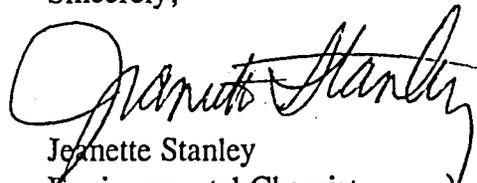
Mr. Jerry Marlowe
Singer Company
3322 Hollins Rd. NE
Roanoke, VA 24012

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Sincerely,


Jeannette Stanley
Environmental Chemist

Enclosures

MEMO

DATE: June 17, 1996

TO: File

FROM: Jeanette Stanley, Environmental Chemist
NC DEHNR, Superfund Section



RE: Singer Company Furniture Division
Chocowinity, Beaufort County, NC
NCD 072 012 354

I spoke with Mr. Norman Goldberg on June 12, 1996. He said that he has taken over Mr. Jerry Marlowe's environmental duties for the company. His number is (540) 366-0361 ext. 237. We discussed that the planned ESI has been rescheduled per Mr. Marlowe's request. Mr. Goldberg requested that I send a letter to him confirming that the ESI has been rescheduled., which I did today.

SITE HEALTH AND SAFETY PLAN

A. General Information

Site Name Singer Co. Furniture Div-Washington ID # NCD 072 012 354

Location About 3 miles south on hwy 17 from
Washington, NC, Chocowinity, Beaufort County, NC

Proposed Date of Investigation February 22, 1996

Date of Briefing February 21, 1996

Date of Debriefing February 23, 1996

Nature of Visit (check one): On-Site Reconnaissance X
Off-Site Reconnaissance _____
Sampling _____
Sampling Overview _____
Remediation Overview _____

Health Department Official Contacted Al Gerard

Date of Contact February 16, 1996

Site Investigation Team: All site personnel have read the Site Health and Safety Plan and are familiar with its provisions.

| <u>Personnel</u> | <u>Responsibilities</u> | <u>Signature</u> |
|-------------------------------|---------------------------|--------------------|
| Team 1 <u>Harry Zinn</u> | <u>team leader, recon</u> | <u>[Signature]</u> |
| Team 1 <u>Bruce Nicholson</u> | <u>reconnaissance</u> | <u>[Signature]</u> |
| Team 2 <u>Nile Testerman</u> | _____ | <u>[Signature]</u> |
| Team 2 _____ | _____ | _____ |

Plan Preparation:

Prepared By: David Lilley, Industrial Hygiene Consultant

Reviewed By: Jack Butler, Superfund Section Chief

[Signature]
[Signature]

Facility Description: Size unknown Buildings yes

Disposal Methods Being Investigated Possible spills.

Unusual Features on Site (dike integrity, power lines, terrain, etc.):
none known

History of the Site: The Singer Company manufactures furniture case goods, including bedroom, dining room, living room, and sewing machine cabinets. Their hazardous waste includes paint, paint thinners, spent solvents, sanding material, and spray booth clean-up material.

C. HAZARD EVALUATION

The site can be toured in level D protection. Steel toed work boots will be worn while conducting the tour of the site. Tyvek suits (saranex in wet conditions) are recommended to keep clothing clean.

D. WORK PLAN INSTRUCTION

Map or Sketch Attached? yes

Perimeter Identified? no

Command Post Identified? no

Zones of Contamination Identified? no

Personal Protective Equipment/Level of Protection: C D

Modifications _____

Surveillance Equipment:

| | |
|--------------------------------|--|
| <u> </u> HNU | <u> </u> Detector Tubes and Pumps |
| <u> </u> OVA | <u> </u> O2 Meter |
| <u> </u> Explosimeter | <u> </u> Radiation Monitor |

Decontamination Procedures

 Level C Respirator wash, respirator removal, suit wash (if needed),
 suit removal, boot wash, boot removal and glove removal.

 X Level D Boot wash and rinse and boot removal, suit removal, glove
 and goggle removal.

Modifications Dispose of trash properly, on-site if possible.

Work Schedule/Visit Objectives The purpose of this visit is to determine
if the site poses a threat to the public health or environment because of
releases of contaminants to soil, surface water, groundwater, or air.
No sampling will take place during this visit, sampling may take place on
a later date.

EMERGENCY PRECAUTIONS

| <u>Route of Exposure</u> | <u>First Aid</u> |
|--------------------------|---|
| <u>Eyes</u> | <u>irrigate immediately</u> |
| <u>Skin</u> | <u>soap and water wash</u> |
| <u>Inhalation</u> | <u>fresh air and artificial respiration</u> |
| <u>Ingestion</u> | <u>get medical attention immediately</u> |

ID # NCD 072 012 354

Location of Nearest Phone: on-site: this is an operational facility

Hospital (Address and Phone Number)

Beaufort County Hospital, 628 East Twelfth St., Washington, NC 27889
(919)975-4100

Emergency Transportation Systems (Phone Numbers)

Fire 911

Ambulance 911

Rescue Squad 911

Emergency Route to Hospital Turn left onto Route 17 and travel into
Washington, then turn right onto Route 264. The hospital is about 5 miles
from the site.

PREVAILING WEATHER CONDITIONS AND FORECAST Partly cloudy with a 30% chance
of showers, highs in the mid 60s.

EQUIPMENT CHECKLIST

| | |
|--|---|
| <input type="checkbox"/> Air purifying respirator | <input checked="" type="checkbox"/> First Aid Kit |
| <input type="checkbox"/> Cartridges for respirator | <input checked="" type="checkbox"/> 3 gal. Deionized H2O |
| <input type="checkbox"/> Eye Wash Unit | <input checked="" type="checkbox"/> Rain suit |
| <input type="checkbox"/> HNU | <input checked="" type="checkbox"/> Gloves (PE/PVC/nitrile/cloth) |
| <input type="checkbox"/> OVA | <input checked="" type="checkbox"/> Boots/Boot Covers |
| <input type="checkbox"/> Explosimeter | <input checked="" type="checkbox"/> Coveralls (tyvek/saranex) |
| <input type="checkbox"/> Radiation Monitor | <input checked="" type="checkbox"/> Eye Protection (goggles/shield) |
| <input checked="" type="checkbox"/> Decontamination Materials | <input checked="" type="checkbox"/> Hard Hat |

Poison Control Center - State Coordinator

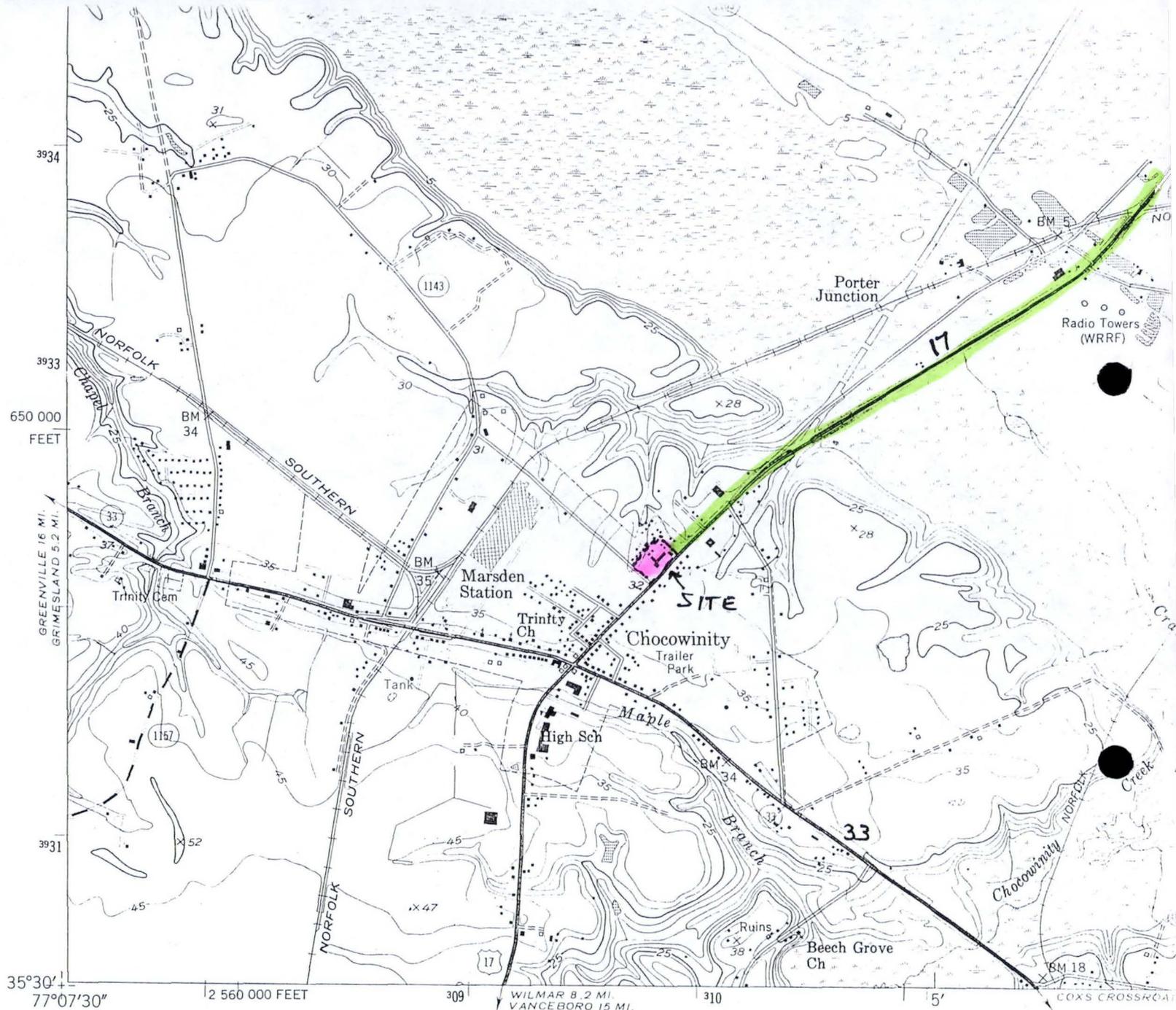
Duke University Medical Center

Telephone: 1-800-672-1697

Box 3024

Durham, NC 27710

| | | | |
|--|--|--|---|
| ASHEVILLE 704-255-4490 | Western NC Poison Control Center Memorial Mission Hosp. 509 Biltmore Ave. 28801 | HENDERSONVILLE 704-693-6522 Ext. 555,556 | Margaret R. Pardee Memorial Hospital Fleming St., 28739 |
| CHARLOTTE 704-379-5827 | Mercy Hospital 2001 Vail Ave, 28207 | HICKORY 704-322-6649 | Catawba Mem. Hosp. Fairgrove Chur. Rd 28601 |
| DURHAM 1-800-672-1697 | Duke Univ. Med. Center Box 3007, 27710 | JACKSONVILLE 919-577-2555 | Onslow Mem. Hospital Western Blvd. 28540 |
| GREENSBORO 919-379-4105 safeform.306 | Moses Cone Hospital 1200 N. Elm St. 27420 | WILMINGTON 919-343-7046 | New Hanover Mem. Hospital 2131 S. 17th St. 28401 |

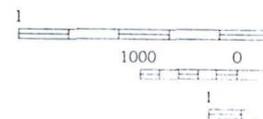


(WILMAR)
5554 1 NW

Mapped by the U. S. Coast and Geodetic Survey
 Edited and published by the Geological Survey

Control by NOS/NOAA (C) and USCE (E)

Culture and drainage in part by photogrammetric
 methods from aerial photographs taken 1948
 Topography by planetable surveys 1949. Field checked 1951
 Hydrography from survey dated 1948 and supplementary information
 Delusio projection 10,000 feet vertical scale based on M.T.C.



HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Chromium (VI), insoluble salts

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

Chemical Formula varies with compound 1
Natural Physical State at 25°C solid 1
Vapor Pressure N/A mm Hg at 20°C _____
Melting Point _____°F/°C Boiling Point _____°F/°C _____
Flash Point (open or closed cup) N/A °C/°F _____
Solubility - H2O not soluble in water 1
Other _____

Physical Features: (odor, color, etc.) Properties vary depending upon specific compound. Compounds include: zinc chromate, lead chromate, calcium chromate, etc.

II. TOXICOLOGICAL DATA

Standards: 0.01 mg/m3(2) TLV 0.5mg/m3(4) PEL 500 mg/m3 (3) IDLH

Routes of Exposure: Inhalation and ingestion

Acute/Chronic Symptoms: Chronic: fibrosis of the lung and epidemiological studies have shown increased incidence of lung cancer among workers in the manufacture of chrome pigments

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: Chromium (VI), insoluble salts

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes No X

Toxic by-products

B. Flammability LEL N/A UEL

C. Reactivity Hazard strong oxidizers 3

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|--------|---------------|-----------|
| Background | yes/no | <u> </u> | <u> </u> |
| Alpha particles | yes/no | <u> </u> | <u> </u> |
| Beta particles | yes/no | <u> </u> | <u> </u> |
| Gamma radiation | yes/no | <u> </u> | <u> </u> |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH
3. Pocket Guide to Chemical Hazards, NIOSH, 1990
4. 29 CFR 1910.1000

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Lead, inorganic dusts

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|---|---------------|
| Chemical Formula <u>Pb</u> | <u>1</u> |
| Natural Physical State at 25°C <u>solid</u> | <u>1</u> |
| Vapor Pressure <u>N/A</u> mm Hg at 20°C | <u>1</u> |
| Melting Point <u>327.4°F/°C</u> Boiling Point <u>1,740°F/°C</u> | <u>1</u> |
| Flash Point (open or closed cup) <u>N/A°C/°F</u> | <u> </u> |
| Solubility - H ₂ O <u>N/A</u> | <u> </u> |
| Other <u>N/A</u> | <u> </u> |

Physical Features: (odor, color, etc.) appearance and odor vary depending upon specific compound.

II. TOXICOLOGICAL DATA

suspected or conformed human carcinogen
Standards: .15 mg/m³ (2) TLV 0.05 mg/m³ (3) PEL
N/A (4) IDLH

Routes of Exposure: inhalation, ingestion, eye contact, skin contact(3)

Acute/Chronic Symptoms: Acute: lassitude, pallor, constipation, abdominal pain, gingival gum line, tremors. Target organs: GI tract, CNS, kidneys, blood.(3)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: Lead, inorganic dusts

III. HAZARDOUS CHARACTERISTICS

Reference

- A. Combustibility Yes No
Toxic by-products _____
- B. Flammability LEL N/A UEL _____
- C. Reactivity Hazard None
-
- D. Corrosivity Hazard yes/no pH: _____
Neutralizing agent: _____
- E. Radioactive Hazard Exposure Rate
- | | | | |
|-----------------|--------|-------|-------|
| Background | yes/no | _____ | _____ |
| Alpha particles | yes/no | _____ | _____ |
| Beta particles | yes/no | _____ | _____ |
| Gamma radiation | yes/no | _____ | _____ |

IV. REFERENCES

- (1) The Merck Index, 11th Edition, 1989
(2) Threshold Limit Values and Biological Exposure
Indices for 1994-1995, ACGIH.
(3) 29 CFR 1910.1025
(4) Pocket Guide to Chemical Hazards, NIOSH, 1990.

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Dieldrin

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|--|------------|
| Chemical Formula <u>C₁₂ H₈ Cl₆ O</u> | <u>1</u> |
| Natural Physical State at 25°C <u>solid, crystals</u> | <u>1</u> |
| Vapor Pressure <u>3.1 x 10⁻⁶ mm Hg at 20°C</u> | <u>1</u> |
| Melting Point <u>176-177 °F/°C</u> Boiling Point <u>decomposes °F/°C</u> | <u>1.2</u> |
| Flash Point (open or closed cup) <u>N/A °C/°F</u> | <u>3</u> |
| Solubility - H ₂ O <u>0.02%</u> | <u>3</u> |
| Other <u>moderate sol. in common organic</u> | <u>1</u> |
| <u>solvents</u> | |

Physical Features: (odor, color, etc.) light brown, nonflammable solid. Dry flakes at 25°C (2), mild chemical odor (3).

II. TOXICOLOGICAL DATA

| | | |
|---|--------------------------------------|--------------------------------|
| skin | skin | Potential human |
| Standards: <u>0.25 mg/m³ (4)</u> | TLV <u>0.25 mg/m³ (5)</u> | PEL <u>Carcinogen (3)</u> IDLH |

Routes of Exposure: Skin absorption, inhalation, and ingestion, Eye contact

Acute/Chronic Symptoms: Acute: hyperirritability, convulsions, and/or coma, sometimes accompanied by nausea, vomiting and headache. Chronic: fainting, muscle spasms, tremors and loss of weight. (2)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: Dieldrin

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes No 3

Toxic by-products HCl may form 6

B. Flammability LEL _____ UEL _____

C. Reactivity Hazard concentrated mineral acids and 2
catalysts, acid oxidizing agents, phenols and active metals

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

| E. Radioactive Hazard | Exposure Rate |
|------------------------|---------------|
| Background yes/no | _____ |
| Alpha particles yes/no | _____ |
| Beta particles yes/no | _____ |
| Gamma radiation yes/no | _____ |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Documentation of the TLV, 4th Edition, 1980.
3. NIOSH/OSHA Pocket Guide to Chemical Hazards, 1987.
4. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH.
5. 29 CFR 1910.1000
6. Chemical Hazard Response Information System, US Coast Guard, 1985.

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Chlordane

I. PHYSICAL/CHEMICAL PROPERTIES

| | Reference |
|--|-----------|
| Chemical Formula <u>C₁₀ H₆ Cl₈*</u> | <u>1</u> |
| Natural Physical State at 25°C <u>liquid</u> | <u>1</u> |
| Vapor Pressure <u>1 x 10⁻⁵</u> mm Hg at 20°C | <u>2</u> |
| Melting Point _____ °F/°C Boiling Point <u>decomposes</u> °F/°C <u>3</u> | <u>3</u> |
| Flash Point (open or closed cup) <u>(liquid) 132°C/°F</u> | <u>7</u> |
| Solubility - H ₂ O <u>insoluble</u> | <u>1</u> |
| Other <u>miscible with aliphatic and aromatic solvents</u> | <u>1</u> |

Physical Features: (odor, color, etc.) viscous amber colored liquid¹. It is odorless.² Formulations: Granules, dusts, wettable powder, emulsion concentrate and oil solutions.

II. TOXICOLOGICAL DATA

(skin)

Standards: 0.5 mg/m³ (5) TLV 0.5 mg/m³ (6) PEL 500 mg/m³ (3) IDLHRoutes of Exposure: Inhalation, ingestion, skin absorbtion, eye contact

Acute/Chronic Symptoms: Acute: irritating to skin, irritability, convulsions, and deep depression. Chronic: liver damage possible.
(1)

First Aid: Eyes: irrigate immediately; Skin: soap wash immediately; Inhalation: fresh air and aritificial respiration; Ingestion: get medical attention immediately.

* Commercial product is a mixture containing 60 to 75% pure compound and 25 to 40% related compounds. Chlorine content 64 - 67%.

Chemical Name: Chlordane

III. HAZARDOUS CHARACTERISTICS

Reference

A. Combustibility Yes X No (as liquid) 7

Toxic by-products Irritating and toxic hydrogen chloride
and phosgene gases may be formed when kerosene solution burns 7

B. Flammability LEL 0.7% UEL 5% 7

C. Reactivity Hazard stable in alkaline conditions 4

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|--------|---------------|-------------|
| Background | yes/no | <u> </u> | <u> </u> |
| Alpha particles | yes/no | <u> </u> | <u> </u> |
| Beta particles | yes/no | <u> </u> | <u> </u> |
| Gamma radiation | yes/no | <u> </u> | <u> </u> |

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. Documentation of the TLV, 4th Edition, 1980.
3. NIOSH/OSHA Pocket Guide to Chemical Hazards, 1987.
4. Farm Chemicals Handbook, 1982.
5. Threshold Limit Values and Biological Exposure Indices
for 1994-1995, ACGIH
6. 29 CFR 1910.1000
7. Chemical Hazard Response Information System, US Coast
Guard, 1985

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: bis (2-ethylhexyl) phthalate (Di-sec-octyl pthalate)

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

Chemical Formula C₂₄ H₃₈ O₄ 1
Natural Physical State at 25°C liquid 1
Vapor Pressure 1.32 mm Hg at 20°C 4
Melting Point _____°F/°C Boiling Point _____°F/°C _____
Flash Point (open or closed cup) 425 °C/°F 5
Solubility - H₂O insoluble in water 1
Other miscible w/ mineral oil and hexane 1

Physical Features: (odor, color, etc.) A light colored, odorless liquid very viscous. (4)

II. TOXICOLOGICAL DATA

Standards: 5mg/m³(2) TLV 5 mg/m³(3) PEL none found IDLH

Routes of Exposure: inhalation, ingestion, eye contact, skin contact

Acute/Chronic Symptoms: a substance of low toxicity by all routes of exposure irritating to eye, mucous membranes, nausea & diarrhea. Suspect carcinogen.(4)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: bis (2-ethylhexyl)phthalate

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility Yes No 5

Toxic by-products none 5

B. Flammability LEL none found UEL _____

C. Reactivity Hazard none found _____

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

| E. Radioactive Hazard | | Exposure Rate | |
|-----------------------|---------------|---------------|-------|
| Background | <u>yes/no</u> | _____ | _____ |
| Alpha particles | <u>yes/no</u> | _____ | _____ |
| Beta particles | <u>yes/no</u> | _____ | _____ |
| Gamma radiation | <u>yes/no</u> | _____ | _____ |

IV. REFERENCES

- (1) The Merck Index 11th Edition 1989
- (2) Threshold Limit Values and Biological Exposure Indices for 1994-1995.
- (3) 29 CFR 1910.1000.
- (4) Documentation of the TLVs, 4th Edition ACGIH, 1980
- (5) Chemical Hazard Response Information System, US Coast Guard, 1985

Chemical Name: PCBs (polychlorinated biphenyls) 42% & 54% chlorine

I. PHYSICAL/CHEMICAL PROPERTIES

Reference

Chemical Formula C₁₂H₇C₁₃ (42%) & C₁₂H₇C₁₅ (54%) 1-3
Natural Physical State at 25°C liquid 1-3
Vapor Pressure 0.001 mm Hg at 20°C 1-3
Melting Point -19-10 °F/°C Boiling Point 325-390 °F/°C 1-3
Flash Point (open or closed cup) 349-432 °C/°F 1
Solubility - H₂O insoluble 1-3
Other _____

Physical Features: (odor, color, etc.) colorless to dark brown liquid with a mild hydrocarbon odor.

II. TOXICOLOGICAL DATA

1 mg/m³ (42%) 1 mg/m³ (42%) potential
human
Standards: 0.5 mg/m³ (54%) (4) TLV 0.5 mg/m³ (54%) (5) PEL
carcinogen (6) IDLH

Routes of Exposure: Inhalation, skin and ingestion

Acute/Chronic Symptoms: Irritates the eyes, nose, and skin. Can cause chloracne. Liver injury is possible. May cause jaundice and dark urine. (2)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: PCB's

III. HAZARDOUS CHARACTERISTICS Reference

A. Combustibility (Instability w/very high heat) 1.3

Toxic by-products HCl & CO gases may be released 1.3

B. Flammability LEL N/A UEL

C. Reactivity Hazard contact with strong oxidizers may 1.3

cause fire or explosion.

D. Corrosivity Hazard yes/no pH:

Neutralizing agent:

E. Radioactive Hazard Exposure Rate
Background yes/no

Alpha particles yes/no

Beta particles yes/no

Gamma radiation yes/no

IV. REFERENCES

1. Chemical Safety Data Guide, BNA - 1985.
2. Pocket Guide to Chemical Hazards, NIOSH - 1990.
3. PA Chemical Emergency Preparedness Program - Chemical Profiles - 1985
4. Threshold Limit Values and Biological Exposure Indices for 1994-1995, ACGIH
5. 29 CFR 1910.1000.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

FILE COPY



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

February 16, 1996

ENTD FEB 22 1996

Mr. Al Gerard
Supervisor of Environmental Health
Beaufort County Health Department
Post Office Box 579
Washington, North Carolina 27889

RE: Expanded Site Investigation
On-Site Reconnaissance
Singer Co. Furniture Division-Washington
NCD072012354

Dear Mr. Gerard:

David Lilley of the NC Superfund Section spoke with you today to notify you that the NC Superfund Section will conduct a site reconnaissance of the subject site located in Beaufort County, North Carolina. The reconnaissance will be conducted on February 22, 1996 by Harry Zinn of the NC Superfund Section.

The purpose of the reconnaissance is to determine if the site poses a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The reconnaissance team will take samples on and around the site to determine if a hazardous condition exists. Additionally, they will locate all nearby water supplies (surface and groundwater, community and private) and any close sensitive environments, schools, and day care centers.

This reconnaissance is not an emergency situation but is a normal step in the evaluation of all uncontrolled and unregulated potential hazardous waste sites in North Carolina. You may want to have your representative meet the reconnaissance team at the site. If so, please contact Harry Zinn at (919) 733-2801, ext. 313 and he will coordinate a meeting. I am enclosing background data on the site for your information.

If the reconnaissance indicates the need for future study of the site, we will contact your office to advise. If you have any questions, please don't hesitate to call David Lilley or me at (919) 733-2801.

Sincerely,

Pat DeRosa, Head
CERCLA Branch
NC Superfund Section

Enclosure

cc: Phil Prete
Doug Holyfield
Pat Williamson
Scott Ross
David Lilley
Donna Keith

Federal
Trip Notification & Authorization

Prepared by: HARRY ZINN

Today's Date: 2-5

*Use Black Ink or Typewriter only-Staff to fill out first 2 blocks only.

Site Trip.

Date of Trip: (2-22-96?)

If trip date changed or cancelled note below:
Trip Date Changed To: _____ Cancelled: _____

NCD#: 072 012 354 Site Name: Singer L Furniture Div. - WASHINGTON
City: Chocoma Itz County: Braunfort

Reason for Trip: ESI ON SITE RECORD

Name of Hotel (Overnight Trip): _____ Hotel Telephone Number: () _____

Authorized by: *D. B. [Signature]*
Industrial Hygienist

Project Team Leader: HARRY ZINN

Assistants: Bruce Nicholson, _____

Attach To Notification Form: 1 copy each: Preliminary Assessment Form (First page only)
Submit to the Industrial Hygienist Site Map
PA Transmittal Letter

(Please list appropriate County Health Department contact person to call to advise of trip)
Environmental Supervisor or Health Director to call: Al Gerard Title: Supervisor of Env. Health
Mr. Mark Phillips
(Note if Dr., M.P., etc.)
Telephone Number: (919) 946-6049

Notes: Health Department Official Contacted: Mr. Al Gerard
Back Up Letter Required: Yes No
Notified Mr. Gerard on 2-16-96 (DBL)

Note: Signed original to Data Manager

State of North Carolina
Department of Environment,
Health and Natural Resources
0 Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



October 26, 1995

Ms Cynthia Gurley
NC CERCLA Project Officer
US EPA Region IV Waste Division 6th Floor
345 Courtland Street NE
Atlanta, Georgia 30345

SUBJECT: ESI Candidate Site Recommendations
Consolidated Warehouse, NCD 130 708 126
Singer Company Furniture Division, NCD 072 012 354

Please find enclosed a brief summary and draft ESI sampling plan for each of the subject sites. We have reviewed the files for these sites and recommend that they be added to our 1995-96 ESI Work Program Schedule. If you have any specific questions about the sites or these sampling plans, please contact the technical staff members directly as listed below;

Consolidated Warehouse
Singer Company Furniture

Jeanette Stanley, ext. 316
Harry Zinn, ext. 313

We would be happy to participate in any conference calls to answer questions about these sites if this would be helpful. Please feel free to contact me at (919) 733-2801, ext. 290.

Sincerely,

Pat DeRosa, Head
CERCLA Branch
NC Superfund Section

attachments

cc: Harry Zinn
Jeanette Stanley ✓

ATTACHMENTS

ESI Candidate Site Recommendations

Consolidated Warehouse

This site was recommended for further action after a SI was completed by the NC Superfund Section in January 1995. It is located in the Paw Creek area of Charlotte where numerous drinking water wells have been found to be contaminated with PCE. The site was a textile facility from the early 1900's to 1980. Dyeing and dry cleaning were among their operation. The site includes 2 parcels located 1/4 mile apart as shown in the attached figures; the Main Warehouse property where the former textile mill was located, and the Dry Lagoon property where the former wastewater lagoons were located. The Main Warehouse property is currently leased for commercial storage and vehicle repair facilities. The Dry Lagoon property is vacant.

A former employee reported that PCE was used at the facility from around 1968 (possibly earlier) until 1980 when the facility closed. The wastewater lagoons on the Dry Lagoon property received process wastewater until 1971, although it is not currently known when wastewater discharge to the lagoons began. In 1971, another lagoon was built on the Main Warehouse property and used for pretreatment of wastewater prior to discharge to the city sewer.

Potential source areas on the Main Warehouse property include; the backfilled wastewater pretreatment lagoon and contaminated soil in the area of the old dye house. The 2 former wastewater lagoons on the Dry Lagoon property are also potential sources. In addition, a break in the sewer line carrying wastewater from the site is rumored to have occurred around 1979 and warrants further investigation as another potential source area.

Source samples collected during the SI indicated mercury, lead copper, chromium and barium in surface soil at the Dry Lagoon property at levels which were significantly above background. Lead and zinc were also measured at significant levels in surface soils near the backfilled lagoon on the Main Warehouse property. PCE was also detected at 14 ppb in subsurface soil in the drainage pathway leading from the former dye house area.

PCE and cis 1,2-DCE were detected in surface water collected downstream of the Dry Lagoon property at 12 and 15 ppb respectively. These levels were significantly above upstream concentrations. However, PCE was not detected in the subsurface soil sample collected from the dry lagoon. Although this downstream surface water location was designated as a wetland on the wetland inventory maps, subsequent wetlands delineation in this surface water pathway indicate that this location is not a wetland. The next nearest downstream wetland in this drainage pathway is 0.8 miles downstream of the site. Therefore, due to the low levels of contaminants detected below the PPE and the distance to the nearest wetland detection of site-related contaminants in these wetlands is unlikely. Overland migration of contaminants to the surface water pathway north of the site was not substantiated by the SI sampling. Unless groundwater to surface water release of PCE could be shown to be attributable to the site,

surface water is not a significant pathway of concern for this site.

Based on previous sampling there are 4 wells located within 1/4 mile of the site which have been shown to contain PCE at Level I concentrations. These wells were serving 20 people.

Since metals have been detected on site and PCE is found in drinking water wells the ESI sampling scenario is designed to (1) document an observed release of PCE and metals to groundwater beneath the site (2) document Level 1 contamination in drinking water wells serving at least 14 people and (3) more closely examine subsurface source areas to determine the source of PCE contamination in groundwater for attribution purposes. Proposed sampling locations are described and illustrated on the attached table and figures.

Singer Company Furniture Division

The Singer Company Furniture Division site was recommended for further action by EPA after a SIP completed by Dynamac Corporation in May 1994 due to concerns about potential surface water contamination at the site. The facility is currently permitted as a large quantity generator by RCRA. The wastestreams associated with this site are spent chlorinated solvents, paints, paint thinners, sanding materials, and spray booth clean-up materials. Past disposal practices at this plant consisted of placing wastes in 55 gallon drums and hauling the waste to the Lenoir Plant for incineration. Contamination at this site is most likely the result of small spills and not direct disposal of the waste.

The surficial aquifer at the site has been contaminated with barium, chromium, copper, lead, manganese, vanadium, and zinc. However, the main source of potable water is the Castle Hayne Aquifer, located beneath two continuous confining beds. Groundwater is not a concern at this site due to the small number of people in the vicinity of the site using groundwater as potable water.

The surface water pathway is the pathway of concern for this site. No sampling has occurred, except for drainage ditch samples on-site which have shown a release of Bis(2-ethylhexyl)phthalate, chromium, cobalt, copper, Di-n-octylphthalate, lead, vanadium, and zinc. Although it is approximately 1,000 feet from the site to the probable point of entry (PPE), if over 1 mile of wetland frontage has been contaminated by contaminants found in the ditches, then further action will be required at this site. A proposed sampling plan and figure showing sampling locations is attached.

Draft Expanded Site Investigation
 October 24, 1995
 Table of Recommended Samples
 Consolidated Warehouse, Inc.
 NCD 130 708 126
 Charlotte, Mecklenburg County, NC

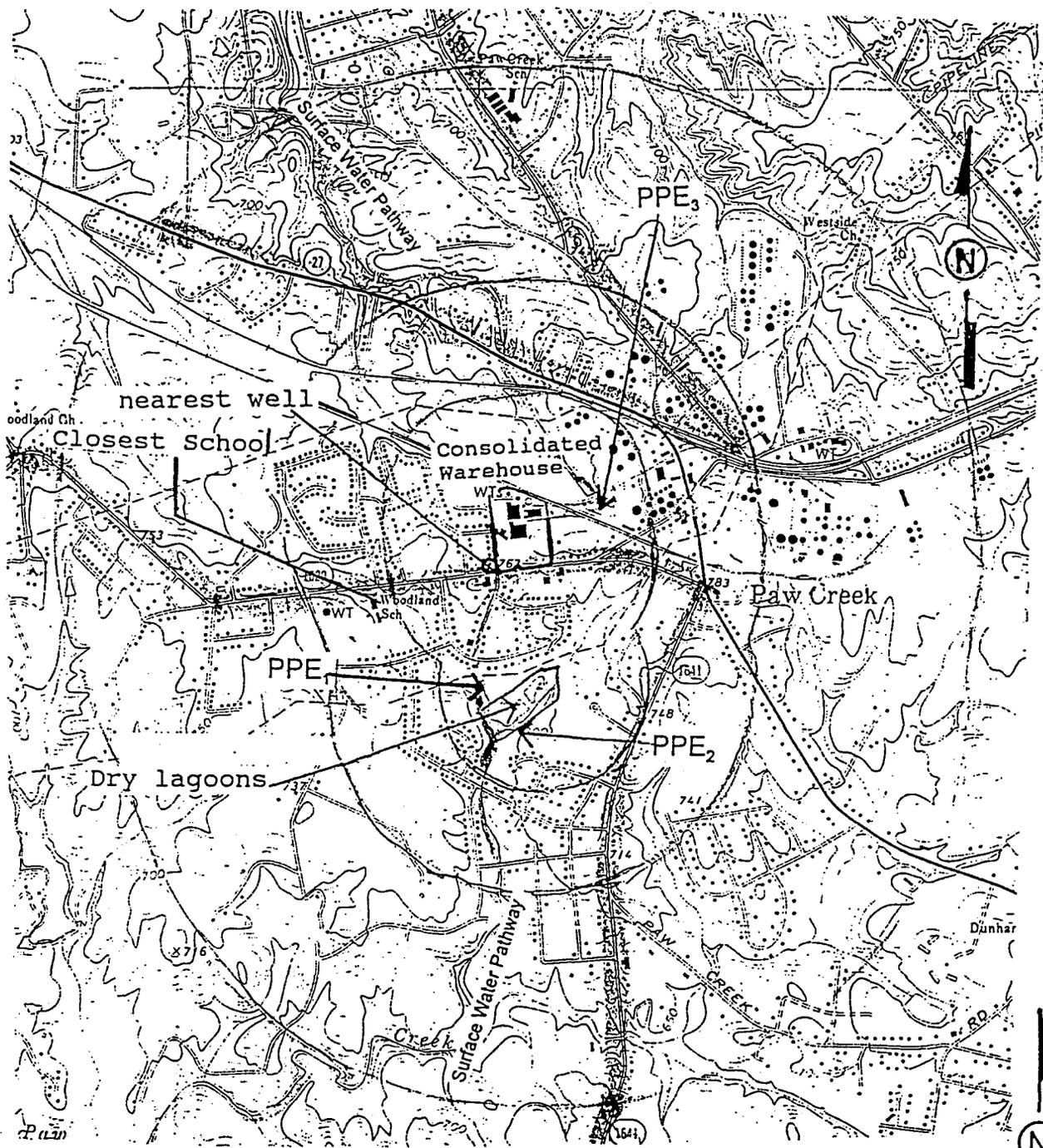
| Sample ID | Type/Analysis | Rationale | Description |
|-----------|--|---|---|
| CW-001-GW | Groundwater, V, E, I* | Determine if observed release to groundwater has been made | Main Warehouse Property -- to be installed (Fig. 2) |
| CW-002-GW | Groundwater, V, E, I | Determine if observed release to groundwater has been made | Main Warehouse Property -- to be installed (Fig. 2) |
| CW-003-GW | Groundwater, V, E, I | Determine if observed release to groundwater has been made | Main Warehouse Property -- to be installed (Fig. 2) |
| CW-004-GW | Groundwater, V, E, I | Determine if observed release to groundwater has been made | Dry Lagoon Property - - to be installed (Fig. 3) |
| CW-005-GW | Groundwater, V, E, I | Background | There are a number of monitoring wells in the area. |
| CW-W01-SB | Vert. composite Subsurface soil, at or slightly below sludge layer, about 8'; V,E,I* | Determine presence of PCE and other contaminants in backfilled unlined lagoon | Area of backfilled lagoon (Fig. 2) |
| CW-W02-SB | Same as CW-W01-SL | Determine presence of PCE and other contaminants in backfilled unlined lagoon | Area of backfilled lagoon (Fig. 2) |

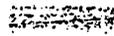
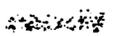
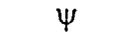
| Sample ID | Type/Analysis | Rationale | Description |
|-----------|--|--|--|
| CW-W03-SB | Vert. composite*** Subsurface soil, V,E,I* | Identify contaminants in area | Sump area (Fig. 2) |
| CW-W04-SB | Vert. composite Subsurface soil, V,E,I* | Identify contaminants in area | Area between drum area, oil soaked ground, and transformer (Fig. 2) |
| CW-W05-SB | Vert. composite Subsurface soil, V,E,I* | Identify contaminants in area | Area of stained soil - to be determined in field |
| CW-W06-SB | Vert. composite Subsurface soil, V,E,I* | Identify contaminants in area | Near Front corner of old dye house |
| CW-W07-SB | Subsurface Soil, V,E,I | Background | Fig. 2 |
| CW-W08-SB | Subsurface Soil, V, E, I | Duplicate of CW-W07-SB | |
| CW-D01-SL | Composite Surface Soil, 0 - 6", V,E,I | Determine soil exposure threat and potential to release to surface water | Surface soil in three locations in upgradient lagoon (Fig. 3) |
| CW-D02-SL | Composite Surface Soil, 0 - 6", V,E,I | Determine soil exposure threat and potential to release to surface water | Surface soil in three locations in downgradient lagoon (Fig. 3) |
| CW-D03-SB | Vert. Composite subsurface soil, V,E,I | Determine presence of volatiles or other contaminants available to be released to groundwater or surface water | Vertical composite** of soil in upgradient dry lagoon (Fig. 3) |
| CW-D04-SB | Vert. Composite subsurface soil, V,E,I | Determine presence of volatiles or other contaminants available to be released to groundwater or surface water | Vertical composite of soil in downgradient dry lagoon (Fig. 3) |
| CW-D05-SL | Surface Soil, 0 - 6", V, E, I* | Background for CW-D01-SL and CW-D02-SL | In wooded area outside lagoons and not in utility right-of-way, Fig. 3 |

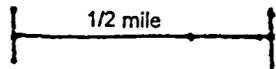
| | | | |
|-----------------|---|--|---|
| CW-D06-SB | Vert. Composite subsurface soil, V,E,I | Background for CW-D03-SL and CW-D02-SL | In wooded area outside lagoons and not in utility right-of-way, Fig. 3 |
| CW-400-PW | Private Drinking water well, V,E,I NEAREST WELL | Determine if contaminants other than volatiles have been released to well. Verify level of volatile contamination | Beatrice Davenport (nearest well) 520 Glasgow, closed due to high level of PCE in well (Fig. 2) |
| CW-401-PW | V, E, I | Duplicate of CW-400-PW | |
| CW-402-PW | Private Drinking water well, V,E,I | Determine if contaminants other than volatiles have been released to well. Verify level of volatile contamination | Alisa Mullis 712 Little Rock Road (Fig. 5) |
| CW-403-PW | Private Drinking water well, V,E,I | Determine if contaminants other than volatiles have been released to well. Verify level of volatile contamination. | Sam Williams 707 Little Rock Road |
| CW-404-PW | Private Drinking water well, V,E,I | Determine if contaminants other than volatiles have been released to well. Verify level of volatile contamination | Troutman 6304 Sullins Rd. |
| CW-405-PW | Private Drinking water well, V,E,I | Clean | Morrison 8821 Moores Chapel Rd. |
| CW-406-PW-(MSD) | Private Drinking water well, E | For Matrix Spike Duplicate | Same as CW-405-PW |
| CW-407-GW | Pre-trip blanks, V, I | Trip blank for volatiles, preservative blank for metals, pre-trip | |
| CW-408-GW | Post Trip Blanks, v, I | Field Blank for volatiles, preservative blank for metals | |

*V=Volatiles, E=Extractable Organics, I=Inorganics

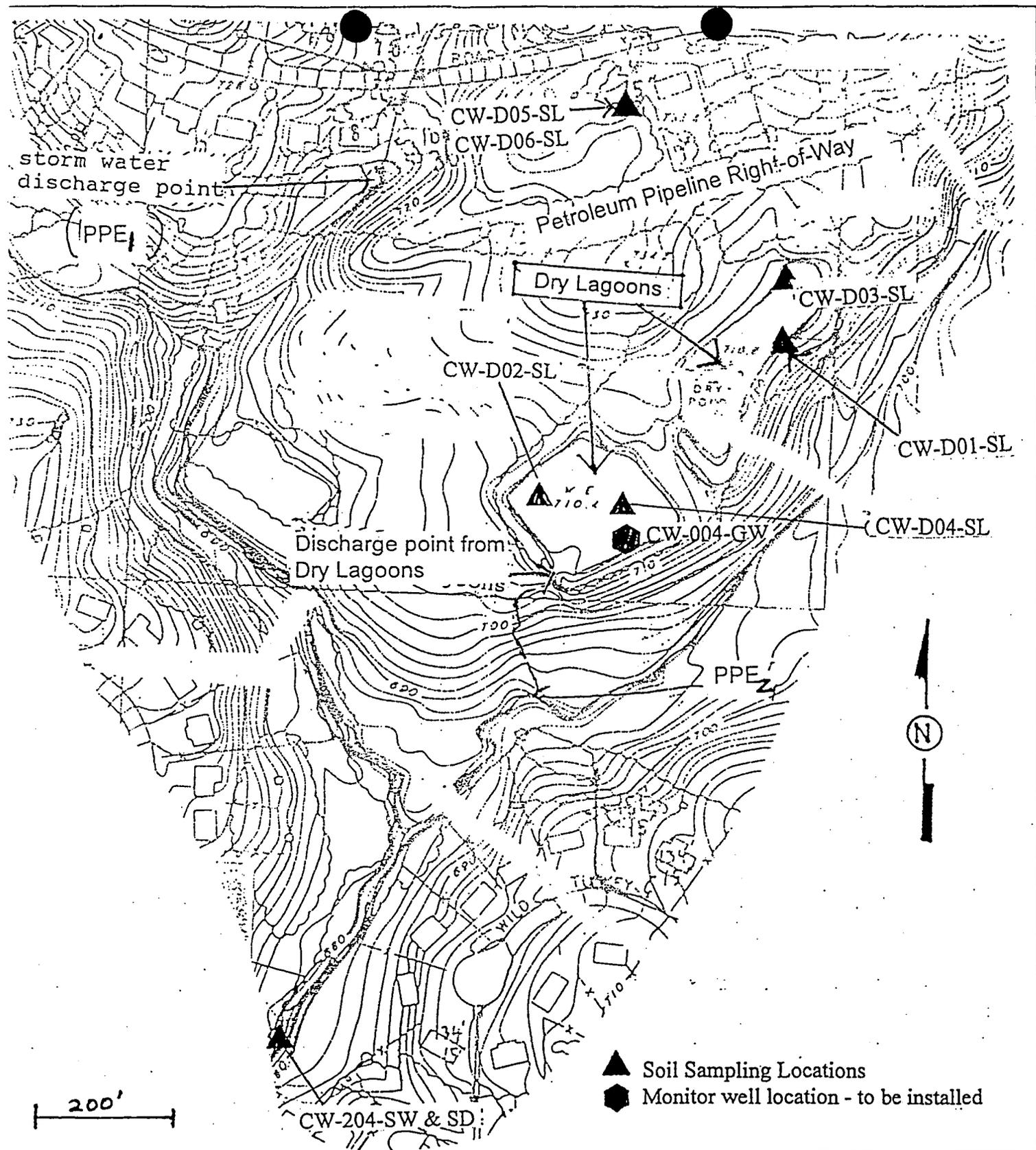
***Vert. Composite is called a vertical composite because the same auger bucket used to auger to depth is used to retrieve the sample.



-  Water Lines
-  Surface Water Pathway
-  Wetlands



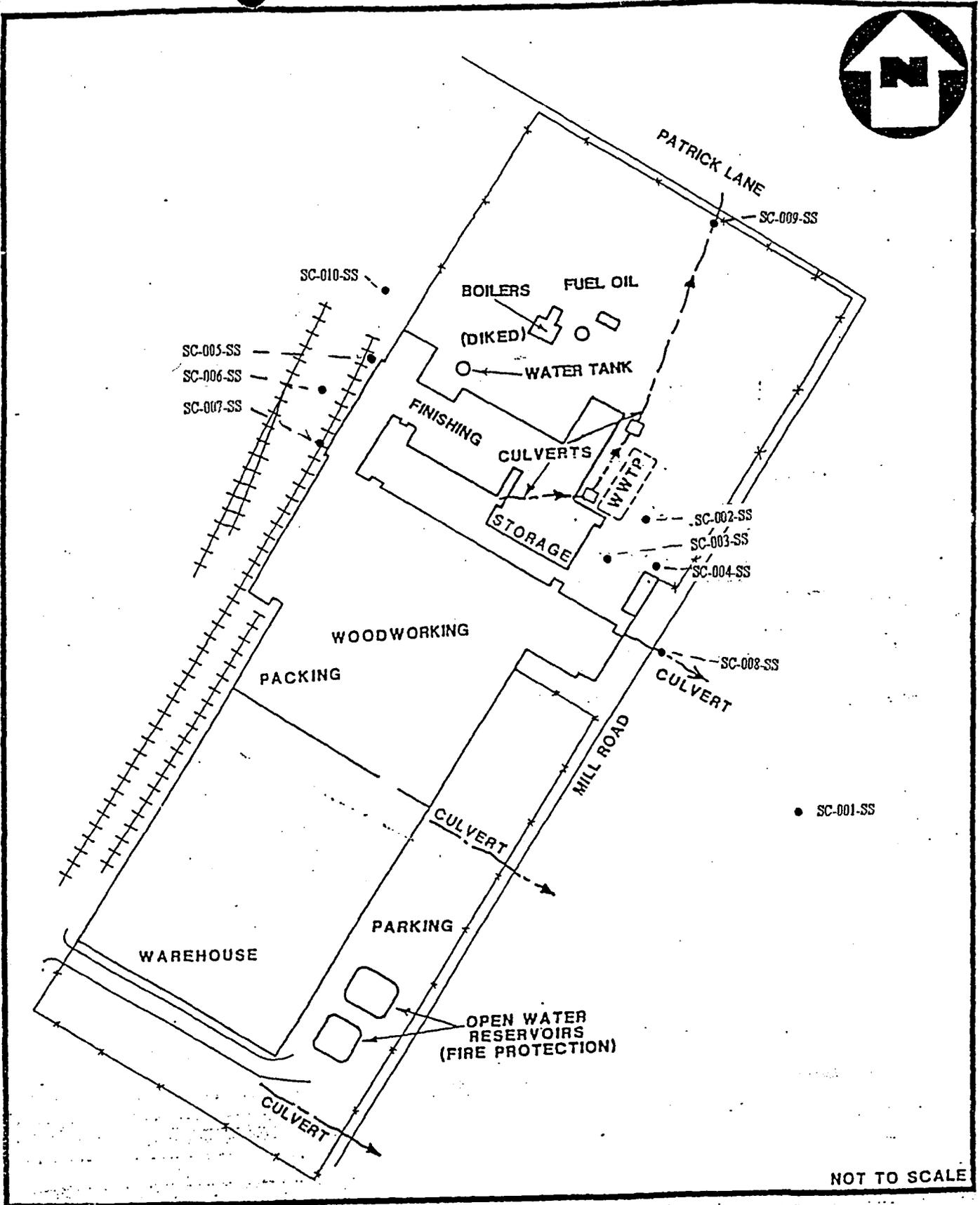
| | | | |
|---|-----------------------------------|---------------------|----------------------|
| Fig. No: 1 | Title: Site Map | | |
| North Carolina Division of Solid Waste Management | Scale: As Shown | Date: November 1994 | Drawn By: J. Stanley |
| Superfund Section | Site Name: Consolidated Warehouse | | NCD 130 708 126 |



| | | | |
|---|--|-------------------|----------------------|
| g. No: 3 | Title: Soil and Surface Water Sampling Points -- Dry Lagoons | | |
| North Carolina Division of Solid Waste Management | Scale: As Shown | Date: August 1995 | Drawn By: J. Stanley |
| Superfund Section | Site Name: Consolidated Warehouse | | NCD 130 708 126 |

Singer Sampling Plan

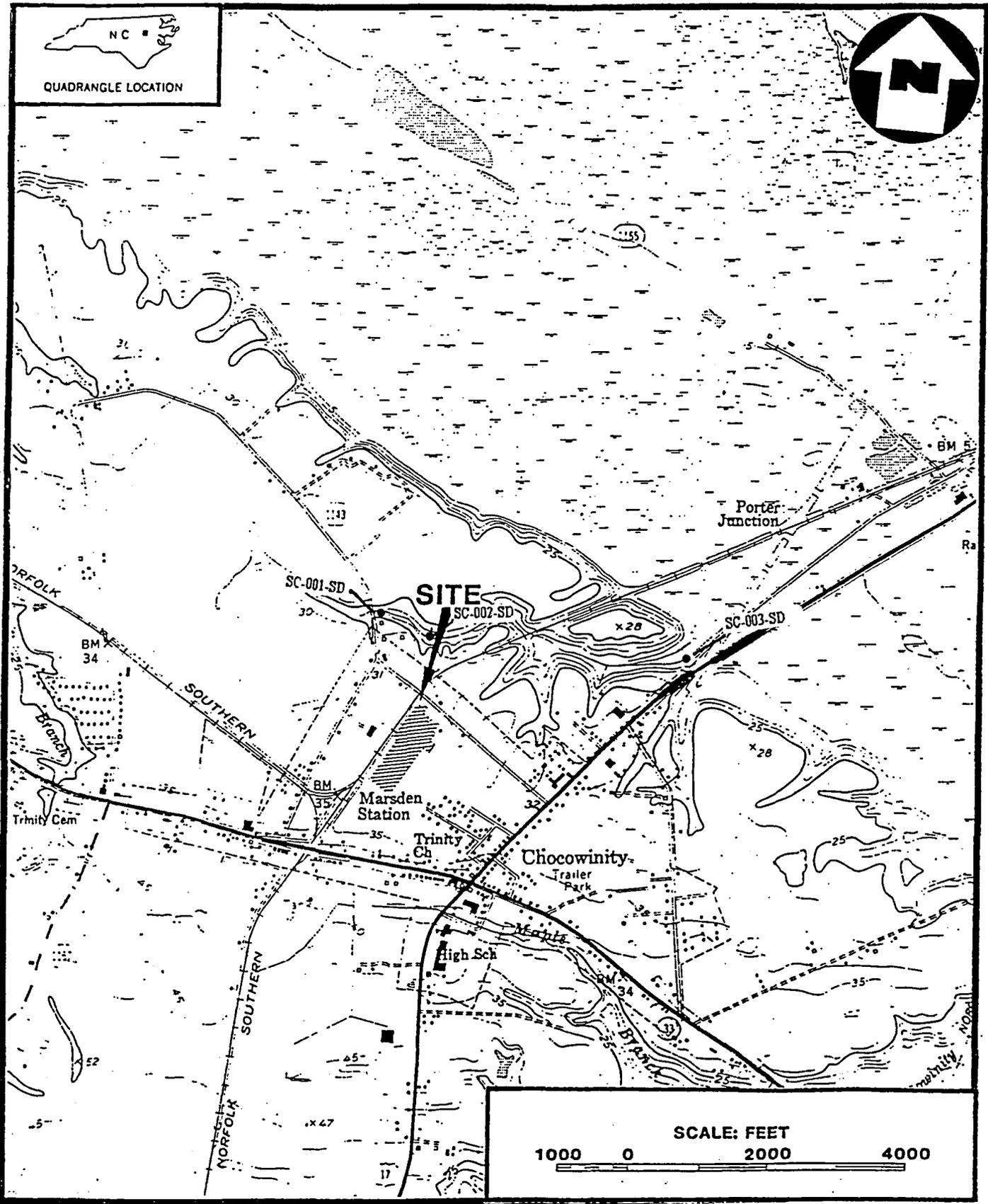
| Sample # | Location | Description |
|------------------------|--------------------|--|
| SC-001-SD | Unnamed Trib. | Background sediment sample upstream of site influence on the unnamed tributary. |
| SC-002-SD | Unnamed Trib. | Attribution sediment sample collected on the unnamed tributary at the PPE. |
| SC-003-SD | Wetlands | Release sediment sample collected from the wetlands north of US 17 Highway. |
| SC-001-SS | East of Plant Area | Background soil sample collected from a field east of the site. |
| SC-002-SS to SC-004-SS | Storage Area | Three soil samples collected from the area east of the storage area to document a source area of contaminated soils. |
| SC-005-SS to SC-007-SS | Rail Area | Three soil samples collected from the railroad loading/unloading area west of the finishing area of the plant to document a source area of contaminated soils. |
| SC-008-SS | Drainage Ditch | Soil sample collected from the drainage ditch originating at the northeast side of the Woodworking area of the plant for attribution to the surface water pathway. |
| SC-009-SS | Drainage Ditch | Soil sample collected from the drainage ditch along Patrick Lane draining the northern portion of the plant for attribution to the surface water pathway. |
| SC-010-SS | Drainage Ditch | Soil sample collected from the drainage ditch along the railroad track area for attribution to the surface water pathway. |



SITE LAYOUT MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA

FIGURE 2





BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE HACKNEY, NORTH CAROLINA 1983.
SITE LOCATION MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA

FIGURE 1



MEMORANDUM

To: Pat DeRosa, CERCLA Branch Head
From: Stuart F. Parker, Jr., Hydrogeologist
Date: June 23, 1994
Re: Comment on EPA Recommendation for ESI
Singer Company Furniture Division
NCD 072 012 354
Chocowinity, Beaufort County, NC.

Stuart F. Parker, Jr.

As requested, I have reviewed Dynamac Corporation's Site Inspection Prioritization report for the above site, as well as the EPA Region IV recommendation that the site undergo an Expanded Site Inspection. Here is a brief summary of the SIP findings and my conclusions:

The Singer Company Furniture Division, located in Chocowinity, Beaufort County, NC., is an active furniture manufacturing plant. The site is located in a mixed industrial and residential area, which is mostly surrounded by a more sparsely populated rural area. Portions of the city of Washington, NC also lie within 4 miles of the site.

The NC Division of Health Services conducted a Preliminary Assessment of the site in 1984. In August 1990, NUS Corporation completed an SI of the site, which Dynamac updated to a SIP under the HRS in 1994. The SI included collection of 4 surface and 4 subsurface soil samples at the site, 5 groundwater samples from on-site temporary wells and an offsite water-supply well, and 5 sediment samples from ditches draining the site.

The principal aquifer in the study area, the Castle Hayne Formation, is overlain by 2 continuous confining beds which alternate with much thinner permeable formations. Elevated barium, chromium, copper, lead, manganese, vanadium, and zinc were detected in 2 of the shallow onsite groundwater samples. The pesticides dieldrin and alpha-chlordane were detected at low concentrations in both background and on-site groundwater samples.

A drinking water well sample, collected 1 mile southwest of the site, contained only zinc, at a concentration 0.015 times its EPA benchmark level for drinking water. The SI report does not explain why the closest water-supply well, 0.45 mile northwest of the site, was not sampled.

A perennial stream 1000 feet north of the site drains into an extensive wetland area, which is contiguous with Crawford Creek. Crawford Creek drains into Chocowinity Bay and the Pamlico River, which are both commercial and recreational fisheries within 15 miles downstream of the probable point of entry (PPE).

The organic contaminants bis(2-ethylhexyl)phthalate and di-n-octyl phthalate, and the inorganic contaminants copper, lead, and zinc, were detected at elevated concentrations in both surface soil and drainage ditch sediment samples (Benzyl butyl phthalate and PCB (Aroclor-1254) were also detected in surface soils, but not in the sediment samples).

The SIP investigation failed to establish whether any culverts connect the contaminated drainage ditches at the site to the PPE in the 15-mile surface water pathway. No surface water or sediment samples were collected within the 15-mile pathway, despite the presence of significant human-food-chain and environmental targets there. It is therefore not known whether contaminants attributable to the site have reached the pathway.

Based on the above information, I concur with the EPA Region IV recommendation that an ESI be undertaken at the site. Surface water and sediment sampling will be required at wetland and fishery targets in order to satisfy HRS requirements. In addition, the closest drinking water well (northwest of the site) should be sampled in order to protect the public health. The 2 municipal supply wells located 0.5 to 1 mile south of the site will not require sampling, provided that they draw their water from the confined Castle Hayne aquifer.



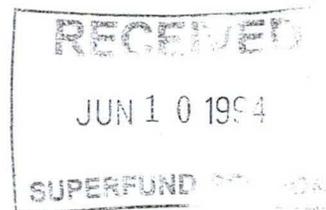
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

4WD-WPB

JUN 08 1994



Ms. Pat DeRosa, Head
CERCLA Branch
North Carolina Department of Environment,
Health and Natural Resources
P.O. Box 27687
Raleigh, North Carolina 27611-7687

Dear Ms. DeRosa:

The following Site Inspection Prioritization (SIP) reports have recently been reviewed and accepted by EPA - Region IV Site Assessment Section:

| | |
|--|--------------------------|
| Durham Animal Clinic (Dynamac) NCD981016280 | NFRAP |
| Southern Wood Piedmont Gulf NCD053488557 | High Priority for ESI |
| Fawn Plastics Co. (Dynamac) NCD067178707 | NFRAP |
| GTE Sylvania (Dynamac) NCD009305699 | NFRAP |
| Singer Co. Furniture Div. (Dynamac) NCD072012354 | High Priority for ESI |
| Firestone Tire & Rubber Co. (Dynamac) NCD067191262 | NFRAP |
| Georgia Pacific Hardwood Sawmill (Dynamac) NCD000813592 | High Priority for ESI |
| W.C. Richards Co. Inc. (Dynamac) NCD060306727 | NFRAP |
| Pfizer, Inc. (Dynamac) NCD057037178 | NFRAP |

Copies of the reports prepared by EPA contractor, Dynamac, are being sent separately. If you have any questions concerning these site decisions, please call me.

Sincerely,

Cathy Amoroso
Environmental Scientist

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV

Site Name: SINGER COMPANY FURNITURE DIVISION EPA ID#: NCD072012354

Alias Site Names: _____

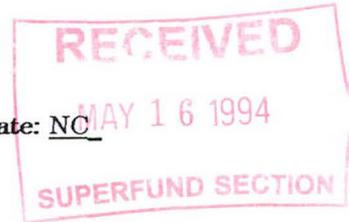
City: CHOCOWINITY

County or Parish: BEAUFORT

State: NC

Refer to Report Dated: 4/12/94

Report type: SIP



Report developed by: DYNAMAC CORP

DECISION:

1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

1b. Site may qualify for further action, but is deferred to:

RCRA
 NRC

2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: Higher Lower

2b. Activity Type: PA SI

ESI → low level of effort
 HRS evaluation

Other: _____

DISCUSSION/RATIONALE: ESI needed. On site soils and drainage ditch sediments highly contaminated with bis(2-ethylhexyl)phthalate and other contaminants. Unknown whether the drainage ditch contamination has migrated into downstream perennial surface water bodies. Site could be eligible for the NPL if downstream surface water bodies are contaminated by the site. Important commercial and recreational fishing downstream. Extensive wetlands.

Not a groundwater threat. Onsite gw has low levels of metals. Nearest private well is not contaminated. Confining unit protects public wells.

Report Reviewed and Approved by: Cathy Amoroso

Signature:

Date: 4/29/94

Site Decision Made by: Cathy Amoroso

Signature:

Date: 4/29/94

VIEW SUBEVENT COMMENTS

REF NO.: 02875 EPA ID: NCD072012354
OPUNIT: 00 SITE NAME: SINGER CO FURNITURE DI
EVENT: S11 SUBEVENT: SP1 EVENT NAME: SCREENING SITE INSPECT

Table with columns: ID, NO., COMMENTS, TYPE. Contains 7 rows of site inspection comments regarding water sampling and contamination.

Add new comment Select comment ID View screen Leave []

12/19/91
Cathy Morrow
SIP

Site Inspection, Phase II
Singer Company, Furniture Division - Washington
Chocowinity, Beaufort County, North Carolina
NCD072012354

RECEIVED
MAR 05 1996
SUPERFUND SECTION

Site Assessment Section
Waste Management Division
Region IV
U. S. Environmental Protection Agency
December 19, 1991

The subject Site Inspection was initiated by NUS. However, due to staff attrition and the expiration of the FIT contract, this Site Inspection was finalized by EPA staff.

1.0 INTRODUCTION

The NUS Corporation Region IV Field Investigation Team (FIT) was tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division, to conduct a Site Inspection (SI) at the Singer Company, Furniture Division site in Chocowinity, Beaufort County, North Carolina. The investigation was performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA).

1.1 OBJECTIVES

The objectives of this inspection were to determine the nature of contaminants present at the site and to determine if a release of these substances has occurred or may occur. Further, this inspection sought to determine the possible pathways by which contamination could migrate from the site and the populations and environments it would potentially affect.

1.2 SCOPE OF WORK

The objectives were achieved through the completion of a number of specific tasks. These activities were to:

- Obtain and review background materials relevant to HRS scoring of the site.
- Evaluate target populations including groundwater users within a 4-mile radius of the site, population potentially exposed to contaminated surface soil, and surface water users within 15 miles downstream of the site.
- Conduct a survey for private wells.
- Sample environmental media that potentially could be affected by the site.
- Determine location and distance to nearest potable well.
- Develop a site sketch.
- Evaluate analytical data obtained from the site sampling activities.

2.0 SITE CHARACTERIZATION

2.1 SITE BACKGROUND AND HISTORY

Singer Company, Furniture Division - Washington is located in a sparsely populated rural area of Chocowinity, Beaufort County, South Carolina, 1.5 miles south of the Pamlico River and 3 miles southwest of Washington (Ref. 1; Appendix A). This plant is one of six owned and operated by Singer Company (Ref. 2). A site location map appears on Figure 1.

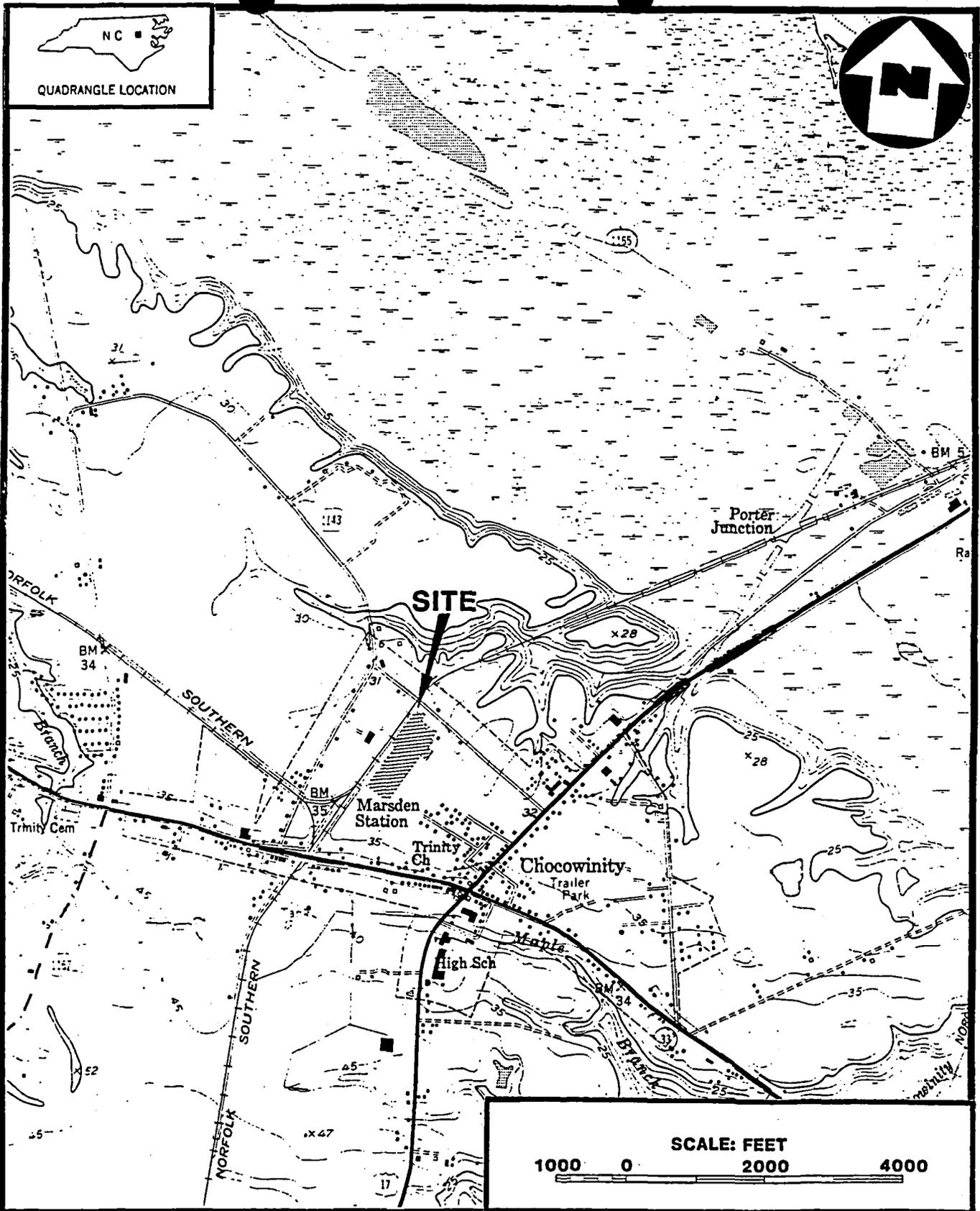
Since 1950, Singer has been manufacturing furniture at this facility. Operations at the plant include machining, sanding, assembling and finishing. Waste includes paint thinners, solvents, sanding material and spray booth clean-up material. Since 1983, liquid waste has been shipped to Oldover Corporation in Cascade, Virginia. Solid waste was shipped to the Singer Company in Lenoir, North Carolina for incineration in the 1980's but is now burned in boilers at the Chocowinity site (Ref. 3,4).

The facility filed a RCRA Part A application in 1980, however, this status was changed to a small quantity generator in January 1982 (Ref. 5,6). They are currently classified as a generator (Ref. 7). During a RCRA inspection in January 1983, two violations were found: failure to put accumulation dates on containers and poor condition of storage containers (Ref. 3, 8). Drums seen stacked on the property during the site investigation in August 1990 seemed to be in good condition.

2.2 SITE DESCRIPTION

2.2.1 Site Features

Singer Furniture is located on approximately 40 acres, with the plant itself occupying 10 to 15 acres (Ref. 9). The facility is surrounded by a fence which is unlocked. All of the manufacturing processes occur in one building which also includes offices and a warehouse. There is a railroad located directly to the west, while parking lots are found on the south and east sides of the building. Two reservoirs used for fire protection are on the southeast corner. A drum storage area is on the north sides of the property. Fumes from the finishing areas of the plant are vented through an exhaust system on the northwest side of the building. Although an odor of butyl acetate (banana) permeated the air, monitoring instruments gave readings significantly above background only in the area where fumes were vented from the building. Additionally, there was smoke coming from the plant's smokestack (Ref. 1). A site layout map appears on Figure 2.

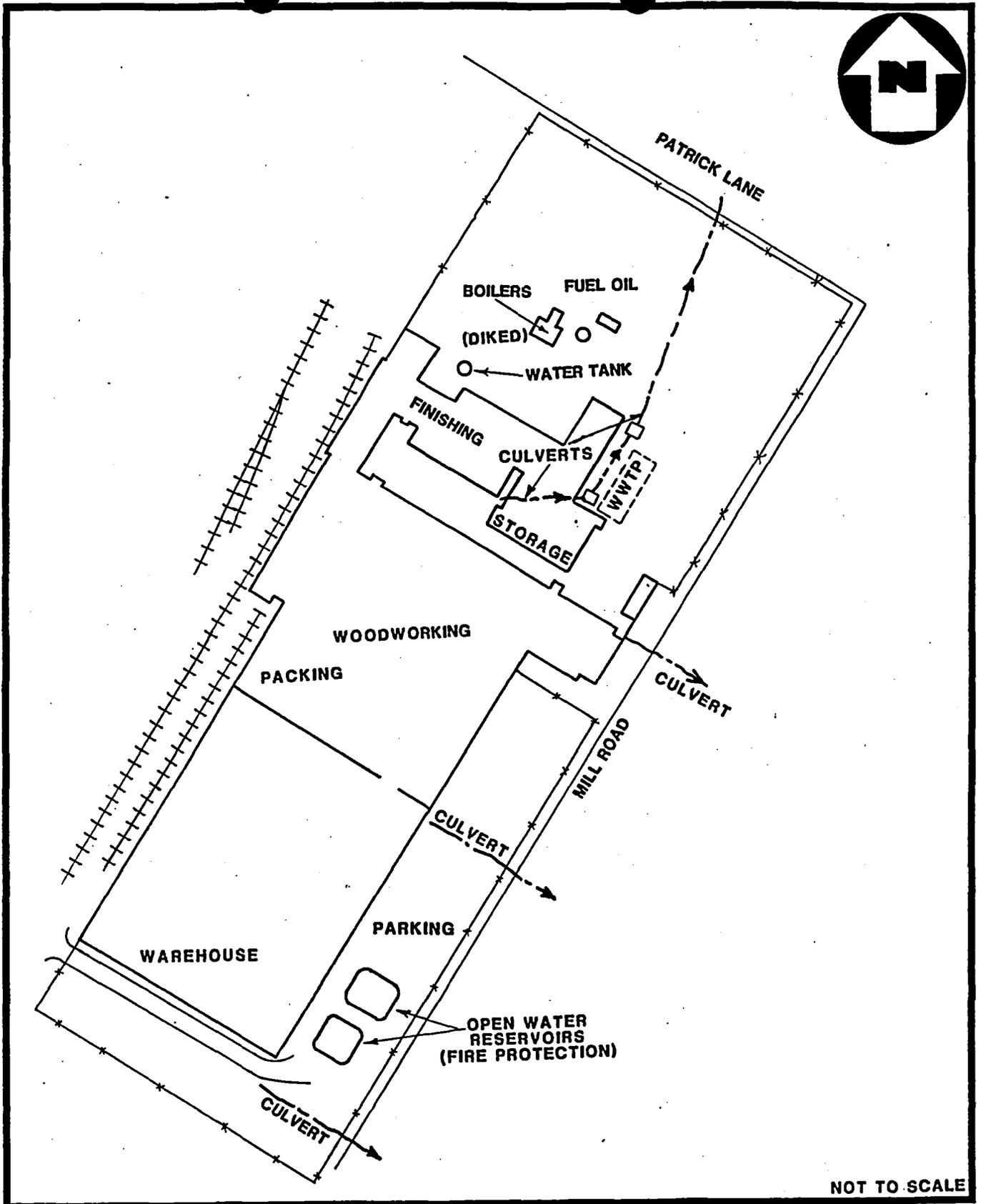


BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE HACKNEY, NORTH CAROLINA 1983.

**SITE LOCATION MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA**

FIGURE 1





**SITE LAYOUT MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA**

FIGURE 2



2.2.2 Waste Characteristics

The chemicals used by Singer are those associated with furniture finishing. Material Safety Data Sheets (MSDS) for products presently in use indicate that these substances include stains, glazes, basecoats, sealers, paints, and ink. These products are formulated from a mixture of both organic and inorganic compounds. The company's MSDS indicate that their materials are composed of the following classes of organic compounds: hydrocarbons, aromatic hydrocarbons, ethers, alcohols, esters, pigments, and plasticizers. Overexposure to these substances can cause adverse physical reactions (Ref. 10). In addition to iron oxide, which is listed on the MSDS, pigments and dyes may also contain toxic inorganic elements, such as copper, chromium, lead, mercury, nickel, and zinc (Ref. 11).

3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

Singer Company-Furniture Division is located in a sparsely populated rural area (Ref. 1; Appendix A). Assuming 3.8 persons per residence, total population within a 4-mile radius is 11,059, with the following distribution: 1216 between 0 and 1 mile, 855 between 1 and 2 miles, 2525 between 2 and 3 miles, and 6463 between 3 and 4 miles (Ref. 12; Appendix A).

3.1.2 Land Use

The area surrounding Singer is predominantly empty fields and woods with occasional private residences. The closest residence is 400 feet to the east of the facility. There are wetlands located 2000 feet to the north, south of the Pamlico River. Along Highways 33 and 17, 1000 feet to the south and west respectively, are small businesses. There is also a high school 2000 feet to the east. Railroad tracks extend along the west side of the building with a spur running to the back where there are loading docks. There was evidence of railroad related work in this area (Ref. 1). Several state and federally endangered or threatened species have ranges in Beaufort County (Ref. 13).

3.2 SURFACE WATER

3.2.1 Climatology

The climate in Beaufort County is warm and humid with short, mild winters, and long, hot summers. The mean annual temperature is approximately 60 degrees Fahrenheit. More than 50 percent of the total annual precipitation of 56 inches occurs in the summer months, May through September (Ref. 14). The net annual precipitation is 11 inches, while the 1-year, 24-hour rainfall is 3.5 inches (Ref. 15).

3.2.2 Overland Drainage

All drainage from the plant's property is directed by way of culverts to drainage ditches along Patrick Lane on the north and Mill Road on the east. From these areas surface water runoff flows 1000 feet to the north to an unnamed creek which empties into an extensive wetland area 2000 feet north of Singer and 5000 feet south of the Pamlico River. From the creek, the surface water pathway continues for 3000 feet east where it enters into Crawford Creek and Chocowinity Bay, and then travels 2.5 miles east into the Pamlico River which flows southeast to complete the 15-mile surface water migration pathway (Appendix A).

3.2.3 Potentially Affected Water Bodies

Both commercial and recreational fishing occur in the Pamlico River along the 15-mile surface water migration pathway (Refs. 17, 18). The ranges of several state and federally endangered or threatened water related species are found in Beaufort County (Ref. 13). The only water system in the area that uses surface water is the city of Washington Water System with an intake upgradient along the Pamlico River in Trainers Creek (Ref. 19).

3.3 GROUNDWATER

3.3.1 Hydrogeology

Singer Company-Furniture Division is located in the Atlantic Coastal Plain Physiographic Province and hydrogeologic regime (Ref. 20, Plate 28; 21). This regime is characterized by thick, gently sloping layers of sedimentary rock. The topography ranges from relatively flat coastal areas to gently rolling uplands. Near the facility, the elevation ranges from 5 feet to 52 feet above mean sea level (ams) (Ref. 21, Appendix A). The soils in the area consist mostly of sand and clay (Ref. 22).

The major aquifers in the area are the surficial sand aquifer, the Yorktown formation, the Castle Hayne Limestone and the Beaufort Formation (Ref. 22). The surficial sand aquifer consists of unconsolidated sand, clay and gravel. It ranges in thickness from a few feet to 60 feet (Ref. 22). The aquifer is unconfined; the depth to water table beneath the facility is 10 feet (Appendix A). Hydraulic conductivity of this unit ranges from 1.0×10^{-5} to 1.0×10^{-2} cm/sec (Ref. 23). Groundwater flow is toward the northeast (Appendix A). The surficial sand aquifer is confined below by the Yorktown Formation which consists of shell marls interbedded with marine clay and sand. In most areas, it is less than 60 feet thick, but it can reach a thickness of 250 feet in eastern Beaufort County (Ref. 22). Hydraulic conductivity of this unit ranges from 3.5×10^{-8} to 3.5×10^{-7} cm/sec (Ref. 14). The Castle Hayne Limestone, which underlies the Yorktown Formation consists of limestone interbedded with sand and clay. It ranges in thickness from 20 feet to several hundred feet (Ref. 22).

The Beaufort Formation underlies the Castle Hayne Limestone and is hydraulically connected to it (Ref. 24). This formation consists of glauconitic and argillaceous sand interbedded with limestone. It ranges in thickness from several feet to 400 feet (Ref. 22). The aquifer is confined below by the Peedee Formation which consists of glauconitic sand over massive marine clay. It ranges in thickness from 100 to 500 feet (Ref. 22).

The Castle Hayne aquifer is the primary aquifer in the area (Ref. 24). Wells completed in this aquifer range in depth from 100 to 300 feet below land surface (bls). Yields are as high as 300 gallons per minute (gpm). Some wells are completed in the Beaufort Formation. At depths greater than 30 to 50 feet bls, water is under artesian conditions (Ref. 22). Wells completed in the surficial sand aquifer are generally less than 30 feet deep and yield 2 to 30 gpm (Ref. 22). Recharge to the aquifers is through infiltration of rainwater (Ref. 22).

3.3.2 Aquifer Use

Potable water within a 3-mile radius is obtained mainly from either municipal, community or private wells (Refs. 25, 26, 27). There are about 360 private wells within a 3-mile radius of the site; the closest is located about a mile south of the site. Additionally, there are approximately 150 private wells in the 3 to 4-mile of the site radius (Ref. 28). The Chocowinity Water System has two wells, one 80 feet bls, 700 feet south of Singer, and the second 90 feet bls, 4000 feet southeast of Singer (Ref. 25). This system serves 1300 people. The town of Washington, 3-miles to the northeast, also has a municipal water system which used both groundwater and

surface water (Ref. 19, 26).

3.4 SUMMARY OF POTENTIALLY AFFECTED POPULATIONS AND ENVIRONMENTS

Contamination of the drinking water aquifer could potentially affect more than 3,238 people in the 4-mile radius of the site.

The surface water pathway includes the Pamlico River which is used for recreational fishing and commercial fishing within 15 miles downstream of the site. A large expanse of wetlands is located along the surface water pathway, about 2000 feet north of the site in the area bordering the Pamlico River. Several endangered and threatened species are also found in Beaufort County.

The facility is located in a mixed land use area adjacent to the town. About 100 homes and the Chocowinity High School are located within a 1-mile radius. The closes residence is located about 100 feet from the facility. Access to the facility is restricted by a fence (Ref. 28).

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

4.1.1 Sample Collection Methodology

All sample collection, sample preservation, and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in Sections 3 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986.

4.1.2 Description of Samples and Sample Locations

Eighteen environmental samples were collected for this investigation: four surface soil samples, four subsurface soil samples, five groundwater samples including one private well, and five sediment samples. Sample codes, locations and rationale are contained in Table 1. Groundwater sample descriptions are contained in Table 2.

Table 1

| DESCRIPTION | LOCATION | RATIONALE |
|--------------------------|--|---|
| SC-SS-01 Surface soil | Field 250 feet east of Singer | Establish background conditions |
| SC-SS-02 Surface soil | East side of storage area, next to drainage ditch | Determine migration of contaminants |
| SC-SS-03 Surface soil | North side of storage area, next to draining ditch | Determine migration of contaminants |
| SC-SS-04 Surface soil | Near finishing area adjacent to tracks | Determine characteristics of contaminants |
| SC-SB-01 Subsurface soil | Collected in conjunction with SC-SS-01 | Establish background conditions |
| SC-SB-02 Subsurface soil | Collected in conjunction with SC-SS-02 | Determine migration of contaminants |
| SC-SB-03 Subsurface soil | Collected in conjunction with SC-SS-03 | Determine migration of contaminants |
| SC-SB-04 Subsurface soil | Collected in conjunction with SC-SS-04 | Determine characteristics of contaminants |
| SC-TW-01 Groundwater | Collected in conjunction with SC-SS-01 | Establish background conditions |
| SC-TW-02 Groundwater | Collected in conjunction with SC-SS-02 | Determine migration of contaminants |
| SC-TW-03 Groundwater | Collected in conjunction with SC-SS-03 | Determine migration of contaminants |
| SC-TW-04 Groundwater | Collected in conjunction with | Determine migration of contaminants |

SC-SS-04

| | | |
|----------------------|---|-------------------------------------|
| SC-SD-01 Sediment | Drainage ditch next to north end of parking lot | Determine migration of contaminants |
| SC-SD-02 Sediment | Drainage ditch next to parking lot by culvert | Determine migration of contaminants |
| SC-SD-03 Sediment | Drainage ditch next to reservoir by culvert | Determine migration of contaminants |
| SC-SD-04 Sediment | Drainage ditch on Patrick Lane | Determine migration of contaminants |
| SC-SD-05 Sediment | West side of building | Determine migration of contaminants |
| SC-PW-01 Groundwater | Private well 1-mile southwest of Singer | Determine migration of contaminants |

Table 2

| Time | Temperature, C | pH | Conductivity, umhos/cm |
|-------------------|----------------|------|---------------------------|
| SC-TW-01 1,140.00 | 32.00 | 4.34 | 107.00 |
| SC-TW-02 1,420.00 | 29.00 | 4.60 | 183.00 |
| SC-TW-03 1,600.00 | 30.00 | 6.14 | 609.00 |
| SC-TW-04 1,845.00 | 28.00 | 4.52 | 400.00 |
| SC-PW-01 1,130.00 | 24.00 | 7.38 | 332.00 |

TABLE 3

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE SOIL, SUBSURFACE SOIL, AND SEDIMENT SAMPLES
SINGER COMPANY - FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY, SOUTH CAROLINA

| PARAMETERS (ug/kg) | Trip Blank | Surface Soil | | | | Sediment | | | | | Subsurface Soil | | | |
|-----------------------------------|---------------|--------------|------------|----------|-----------|-----------|------------|------------|-----------|-------------|------------------|----------|-----------|--------|
| | | On Site | | | | On Site | | | | | Drainage Pathway | | | |
| | | Background | Northeast | North | Northwest | Northeast | Southeast | North | Northwest | Background | Northeast | North | Northwest | |
| SC-TB-01S | SC-SS-01 | SC-SS-02 | SC-SS-03 | SC-SS-04 | SC-SD-01 | SC-SD-02 | SC-SD-03 | SC-SD-04 | SC-SD-05 | SC-SB-01 | SC-SB-02 | SC-SB-03 | SC-SB-04 | |
| PURGEABLE COMPOUNDS | | | | | | | | | | | | | | |
| ACETONE | 86 | 11U | - | - | - | - | - | - | - | - | 25JN | - | - | - |
| UNIDENTIFIED COMPOUNDS(1) | 40J/1 | - | 20J/1 | - | 30J/1 | - | - | - | 3000J/10 | - | - | - | - | - |
| EXTRACTABLE COMPOUNDS | | | | | | | | | | | | | | |
| BENZYL BUTYL PHTHALATE | - | 380U | 780J | - | 100,000 | - | 160J | - | - | - | 400U | - | - | 40 |
| BIS(2-ETHYLHEXYL) PHTHALATE | - | 2000U | 14,000 | 49,000 | 190,000 | 49,000 | 3500 | 210,000 | 620,000 | - | - | - | - | - |
| DI-N-OCTYL PHTHALATE | - | 380U | 480J | - | - | 13,000U | 990 | - | - | - | - | - | - | - |
| UNIDENTIFIED COMPOUNDS/NO.(1) | - | 20,000J/7 | 50,000J/13 | - | - | - | 60,000J/18 | 40,000J/20 | - | 600,000J/12 | - | - | 500J/1 | 10,000 |
| HEXANEDIOIC ACID, DIOCTYLESTER(1) | - | - | - | - | - | - | - | - | - | - | - | 20,000JN | - | - |
| PESTICIDE/PCB COMPOUNDS | | | | | | | | | | | | | | |
| DIELDRIN | - | 8.0 | 3.8J | - | - | 17 | - | - | - | 1.8J | - | - | - | - |
| 4,4'-DDE (P,P'-DDE) | - | 1.0J | - | - | - | 6.6U | - | - | - | 1.0J | - | - | - | - |
| ENDOSULFAN II (BETA) | - | 3.8U | - | - | - | 1.7J | - | - | - | - | - | - | - | - |
| GAMMA-CHLORDANE | - | 1.9U | 1.5J | - | - | 8.3 | - | - | - | - | - | - | - | - |
| ALPHA-CHLORDANE | - | 1.9U | 1.9J | - | - | 8.1 | - | - | - | - | - | - | - | - |
| PCB-1254 (AROCOR 1254)(1) | - | 38U | - | 870 | 60N | 66U | - | - | 360N | - | 39U | 49N | 28J | - |

- Material analyzed for but not detected above minimum quantitation limit (MQL).

J Estimated value.

N Presumptive evidence of presence of material.

U Material was analyzed for but not detected. The number given is the MQL.

(1) Tentatively identified and unidentified compounds. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

4.2 SAMPLE ANALYSIS

4.2.1 Analytical Support and Methodology

Soil samples collected were analyzed under the Contract Laboratory Program (CLP) and analyzed for all parameters listed in the Target Compound List (TCL).

All laboratory analyses and laboratory quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as specified in the Analytical Support Branch Operations and Quality Assurance Manual, United States Environmental Protection Agency, Region IV, Environmental Services Division, revised June 1, 1985; or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

4.2.2 Analytical Data Quality

All analytical data were subjected to a quality assurance review as described in the EPA Environmental Services Division laboratory data evaluation guidelines. In the tables, some of the concentrations of the organic and inorganic parameter have been flagged with a "J". This indicates that the qualitative analysis was acceptable, but the quantitative value has been estimated. A few other compounds are flagged with an "N" indicating that they were detected based on the presumptive evidence of their presence. This means that the compound was tentatively identified, and its detection cannot be used as a positive identification of its presence. The complete analytical data sheets are provided in Appendix B.

4.2.3 Analytical Results

Organic analytical results for Singer Company are presented in Tables 3 and 4. [Soil trip blank SC-TB-01S contained acetone (86 ug/kg) and unidentified purgeable compounds (40J/1 ug/kg). Methyl ethyl ketone was detected in the water trip blank SC-TB-01W (20 ug/l)]. Surface soil sample SC-SS-01 was used as a background for the sediment samples as well as for surface soil samples. Bis(2-ethylhexyl)phthalate was detected at elevated levels ranging from 7 to 310 times background in all three of the surface soil samples and three of the five sediment samples. The highest reported concentrations were 620,000 ug/kg in sediment sample SC-SD-05 and 210,000 ug/kg in sediment sample SC-SD-04. Bis (2-ethylhexyl)phthalate was not elevated in the two sediment samples collected from the southern portion of the property (SC-SD-02 and SC-SD-03). These analytical results indicate that organic contamination is widespread throughout the active manufacturing areas and concentrated in the north, northwest and northeast portions of the facility.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
 GROUNDWATER SAMPLES
 SINGER COMPANY - FURNITURE DIVISION
 CHOCOWINITY, BEAUFORT COUNTY, SOUTH CAROLINA

| PARAMETERS (ug/l) | On Site | | | | | Off Site |
|--|------------|------------|-----------|----------|-----------|--------------|
| | Trip Blank | Background | Northeast | North | Northwest | Private Well |
| | SC-TB-01W | SC-TW-01 | SC-TW-02 | SC-TW-03 | SC-TW-04 | SC-PW-01 |
| PURGEABLE COMPOUNDS | | | | | | |
| CARBON DISULFIDE | - | 10U | - | 11 | - | - |
| METHYL ETHYL KETONE | 20 | - | - | - | - | - |
| PESTICIDE/PCB COMPOUNDS | | | | | | |
| DIELDRIN | - | 0.10U | 0.19 | - | - | - |
| ALPHA-CHLORDANE | - | 0.050U | 0.060 | - | - | - |
| PCB-1254 (AROCLOR 1254) ⁽¹⁾ | | 1.0U | | 0.91JN | | |

- Material analyzed for but not detected above minimum quantitation limit (MQL).
- J Estimated value.
- N Presumptive evidence of presence of material.
- U Material was analyzed for but not detected. The number given is the MQL.
- (1) Tentatively identified and unidentified compounds. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 5
 SUMMARY OF INORGANIC ANALYTICAL RESULTS
 SURFACE SOIL, SUBSURFACE SOIL & SEDIMENTS SAMPLES
 SINGER COMPANY - FURNACE ROAD
 CHOCOWINITY, BEAUFORT COUNTY, SOUTH CAROLINA

| PARAMETERS (mg/kg) | Surface Soil | | | | Sediment | | | | | Subsurface Soil | | | |
|--------------------|--------------|-----------|----------|-----------|------------------|-----------|----------|----------|-----------|-----------------|-----------|----------|-----------|
| | On Site | | | | Drainage Pathway | | | | | On Site | | | |
| | Background | Northeast | North | Northwest | Northeast | Southeast | | North | Northwest | Background | Northeast | North | Northwest |
| | SC-SS-01 | SC-SS-02 | SC-SS-03 | SC-SS-04 | SC-SD-01 | SC-SD-02 | SC-SD-03 | SC-SD-04 | SC-SD-05 | SC-SB-01 | SC-SB-02 | SC-SB-03 | SC-SB-04 |
| ALUMINUM | 3500J | 4400J | 7800J | 6000J | 2700J | 8700J | 5200J | 7400J | 17,000J | 22,000J | 2700J | 2300J | 1200J |
| ARSENIC | 2U | 3.2 | 3 | 5.4 | - | - | - | 5.6 | 8.5 | 4.4 | - | - | - |
| BARIUM | 15J | 17J | 45J | 120J | 10J | 15J | 14J | 480J | 540J | 35J | 3.5J | 2.8J | 5.2J |
| CADMIUM | 1.1U | - | - | - | - | - | - | 3.2 | 19 | - | - | - | - |
| CALCIUM | 500J | 2300J | 4600J | 12,000J | 58,000J | 1400J | 7800J | 46,000J | 53,000J | 190J | 180J | 160J | 280J |
| CHROMIUM | 5UJ | - | - | - | - | - | - | - | 150J | - | - | - | - |
| COBALT | 0.45U | - | - | - | - | - | - | 28 | - | - | - | - | - |
| COPPER | 4.7 | 2.3 | 7.9 | 740 | 19 | 4.5 | - | 310 | 4100 | 6.6 | - | - | 6 |
| IRON | 2900J | 2200J | 9000J | 8200J | 1900J | 5300J | 5800J | 12,000J | 25,000J | 8300J | 940J | 540J | 210J |
| LEAD | 9.1 | 11 | 14 | 260 | 17 | 7.3 | 7.8 | 84 | 330 | 8.9 | 2 | 2 | 1.6 |
| MAGNESIUM | 2300J | - | - | - | - | - | - | 4100J | 2100J | - | - | - | - |
| MANGANESE | 6.1 | 9.2 | 71 | 200 | 12 | 4.7 | 9.8 | 470 | 190 | 20 | 3.5 | 9.7 | 1.1 |
| NICKEL | 5.6 | - | - | 4.6 | - | - | - | 42 | 21 | - | - | - | - |
| POTASSIUM | 170U | - | - | - | - | - | - | 2700 | - | 1700 | - | - | - |
| SODIUM | 90U | - | - | - | - | - | - | 810 | 1700 | - | - | - | - |
| VANADIUM | 8UJ | - | 20J | 20J | - | 14J | - | 170J | 40J | 37J | - | - | - |
| ZINC | 8.1 | 4.2 | 60 | 320 | 430 | 110 | 54 | 550 | 1600 | 10 | 2.5 | 1.2 | 1.6 |

- Material analyzed for but not detected above minimum quantitation limit (MQL).
- J Estimated value.
- U Material analyzed for but not detected. The number given is the MQL.

Bis(2-ethylhexyl phthalate) is a commonly used plasticizer. Benzyl butyl phthalate is another plasticizer that was reported at an elevated concentration in the Singer samples. Benzyl butyl phthalate (100,000 ug/kg, 263 times MQL) was detected in surface soil sample SC-SS-04, collected near the finishing area on the northwest boundary of the property (Ref. 29). Di-N-octylphthalate was detected in sediment sample SC-SD-02 at 990 ug/kg (2.6 times MQL). Hexanedioic acid, dioctylester was tentatively identified in subsurface soil sample SC-SB-02 at an estimated concentration of 20,000 ug/kg.

Unidentified extractable compounds were reported in two surface soil samples (including background), three sediment samples, and two subsurface soil samples. These ranged from a low concentration of 500J ug/kg in sample SC-SB-03 to a high of 600,000J ug/kg in sample SC-SD-05. Again, these results demonstrate widespread contamination. Unidentified purgeable compounds were also reported in two surface soil samples and one sediment sample (SC-SS-02, SC-SS-04 and SC-SC-04).

Sediment sample SC-SD-01, collected from a culvert near the manufacturing area, contained two pesticides at elevated levels. These were gamma-chlordane and alpha-chlordane, both reported at 4 times MQL. The presence of these compounds may be due to poor housekeeping practices or pesticide spraying at the facility rather than chemical spills. Two samples collected from the north end of the property reported PCB-1254 (Aroclor 1254). These were surface soil sample SC-SS-03 (870 ug/kg, 22 times MQL) and sediment sample SC-SD-04 (360N ug/kg, 9 times MQL). PCBs (polychlorinated biphenyls) are used as components of dielectric fluids in transformers and capacitors, and also in hydraulic fluids, plasticizers, paints, inks and adhesives (Ref. 30).

No Target Compound List (TCL) organics were elevated in the groundwater samples. Alpha-chlordane was reported in sample SC-TW-02 at a concentration of 0.060 ug/l. The federally mandated Maximum Contaminant Level Goal (MCLG) for chlordane in drinking water is zero. Dieldrin was also detected in SC-TW-02 at 0.19 ug/l, which is slightly above the MQL. PCB-1254 (Aroclor 1254) was reported on presumptive evidence in sample SC-TW-03 (0.91JN ug/l) and exceeds the federal Maximum Contaminant Level (MCL) of 0.5 ug/l. The MCLG for PCBs is zero (Ref. 31).

Inorganic analytical results are presented in Tables 5 and 6. As expected from file material which reported the use of dyes and paints, many elevated inorganic constituents were reported throughout the facility. Metals are the coloring agents in inorganic pigments (Ref. 32). Two sediment samples in particular contained notable numbers of inorganics. Sediment sample SC-SD-05 was collected from the northwest side of the property and contained 15 metals at elevated concentrations ranging from 3 to 872 times background or MQL. These included arsenic (8.5 mg/kg, 4 times MQL), chromium (150J mg/kg, 30 times MQL), copper

(4,100 mg/kg, 872 times background), lead (330 mg/kg, 36 times

TABLE 6

SUMMARY OF INORGANIC ANALYTICAL RESULTS
 GROUNDWATER SAMPLES
 SINGER COMPANY - FURNITURE DIVISION
 CHOCOWINITY, BEAUFORT COUNTY, SOUTH CAROLINA

| PARAMETERS (ug/l) | Preservative Blank SC-PB-01 | On Site | | | | Off Site |
|-------------------|-----------------------------------|------------|-----------|----------|-----------|-----------------|
| | | Background | Northeast | North | Northwest | Private Well |
| | | SC-TW-01 | SC-TW-02 | SC-TW-03 | SC-TW-04 | SC-PW-01 |
| ALUMINIUM | - | 16,000J | 8100J | 7000J | 510,000J | - |
| BARIUM | - | 130J | 52J | 51J | 850J | - |
| CALCIUM | - | 4000J | 17,000J | 90,000J | 120,000J | 51,000J |
| CHROMIUM | - | 150UJ | - | - | 570J | - |
| COPPER | - | 7U | - | - | 260 | - |
| IRON | - | 11,000J | 2500J | 2000J | 97,000J | - |
| LEAD | - | 6 | 4 | - | 230 | - |
| MAGNESIUM | - | 3100UJ | - | 7600J | 19,000J | - |
| MANGANESE | - | 23 | 23 | 11 | 190 | - |
| MERCURY | - | 0.20U | - | - | 1.0 | - |
| POTASSIUM | - | 3000U | - | - | 23,000 | - |
| SODIUM | - | 2400U | 4200 | 22,000 | 3400 | 5400 |
| VANADIUM | - | 30U | - | - | 420 | - |
| ZINC | - | 33 | 20 | 10 | 340 | 160 |

- Material analyzed for but not detected above minimum quantitation limit (MQL).
- J Estimated value.
- U Material was analyzed for but not detected. The number given is the MQL.

background), and zinc (1,600 mg/kg, 197 times background). Sediment sample SC-SC-04, also collected from the north side of the facility, reported thirteen elevated metals ranging from 4 to 92 times background or MQL. Lead (84 mg/kg, 9 times background) was among these. Northwest surface soil sample SC-SS-04 contained six elevated metals including copper (740 mg/kg, 157 times background) and lead (260 mg/kg, 28 times background). The following list indicates some of the metals reported throughout the surface soil and sediment samples and the number of times that metal was reported at an elevated level: barium (4 samples), calcium (7 samples), copper (4 samples), manganese (5 samples), zinc (7 samples), iron (3 samples), lead (3 samples). These are commonly used colorants in pigments. No TCL inorganics were elevated in the subsurface soil samples.

Groundwater collected from the northwest portion of the site (SC-TW-04) was the most highly contaminated groundwater sample. Thirteen inorganic constituents were detected at elevated levels in groundwater sample SC-TW-04. Of these thirteen, lead was the most elevated at a concentration of 230 ug/l or 38 times background. The U.S. Environmental Protection Agency has set a standard of 15 ug/l for lead in drinking water (Ref. 33). Copper, which was not detected in the background sample, was found at a concentration of 260 ug/l, or 37 times the MQL. Chromium was reported at a concentration of 570J ug/l or 3 times MQL in this same well sample. The MCL for chromium is 50 ug/l (Ref.34). Mercury, although not exceeding the MCL of 2 ug/l, was elevated (1.0 ug/l, 5 times MQL). Secondary Maximum Contaminant Levels (SMCL) for drinking water were exceeded in several samples for aluminum (proposed SMCL=50-200 ug/l), iron (SMCL=300 ug/l), manganese (SMCL=50 ug/l) (Ref. 31).

5.0 SUMMARY

There is wide spread soil contamination with inorganic and organic constituents which are associated with the processes used by the Singer Company. There is also evidence of groundwater and sediment contamination, which can potentially threaten the nearby wetlands, fisheries and endangered species habitat, as well as the drinking water supply.

Further action is recommended for the Singer Company, Furniture Division - Washington, including sampling of the wetlands area and fisheries, and evaluation using the Hazard Ranking System.

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RCRA Inspection Report

1. Facility Information

The Singer Company Furniture Division
P.O. Box 1627
Washington, NC
Beaufort County
EPA ID# NCD072012354

2. Responsible Officials

Clarence Edwards
W. Wayne Melton
(919) 946-5165

3. Survey Participants

Fred J. Wood, Division of Health Services
W. Wayne Melton, Safety Director

4. Date of Inspection

January 31, 1983

5. Applicable Regulations

No Change

6. Purpose of Survey

No Change

7. Facility Description

The Singer Company is located off Hwy 33 near Chocowinity, NC. They manufacture furniture case goods including bedroom, dining room, living room, and sewing machine cabinets. This process involves machining, sanding, assembly and finishing.

Their hazardous waste is both liquid and solids. This consists of paint, paint thinners, spent solvents, sanding material and spray booth clean-up material. The liquid waste is pumped out of 55 gallon drums into a tanker truck by the Oldover Corp., Route 1, Cascade, VA. The solid waste consist of material clean-up from finishing and spray booths. This waste is put in plastic bags and then stored in 55 gallon drums. This waste is then shipped to the Singer Company in Lenoir, North Carolina for incineration.

8. Documentation of Site Deficiencies

1. Failure to put accumulation date on containers. 262.34(A2)
2. Condition of storage containers. Waste must be transferred from one (1) leaking container and several rusty containers. 265.171

Singer Co. Furniture Div. Wadwin, NC 27201 2354 Beaufort
 Name of Site EPA I.D. County
 Mill Road, P.O. Box 130 Chocowinity, Jan. 28, 1983
 Location Inspection Date Signature of Inspector (s) J. Wood

Compliance Date

Jan 31, 1983
 W. Wayne Melton
 Signature of Facility Contact

INSTRUCTIONS: Place a check to indicate Compliance (C), NonCompliance (NC) or Not Applicable (NA). Cite specific violation by Section No.

GENERATOR STANDARDS (262.00)

| | C | NC | NA | Violation(s) |
|---|---|----|----|--------------|
| 1. GENERAL (.10-.12) | ✓ | | | |
| 2. THE MANIFEST (.20-.23) | ✓ | | | |
| 3. PRE-TRANSPORT REQUIREMENTS (.30-.34) | | ✓ | | 262.34(a) 2 |
| 4. RECORDKEEPING/REPORTING (.40-.43) | ✓ | | | |
| 5. SPECIAL CONDITIONS (.50-.51) | ✓ | | | |

TRANSPORTER STANDARDS (263.00)

| | C | NC | NA | Violation(s) |
|---|---|----|----|--------------|
| 1. GENERAL (.11-.12) | | | ✓ | |
| 2. MANIFEST/RECORDKEEPING (.20-.22) | | | ✓ | |
| 3. HAZARDOUS WASTE DISCHARGES (.30-.31) | | | ✓ | |

TSDF STANDARDS (265.00)

| | C | NC | NA | Violation(s) |
|--|---|----|----|--------------|
| 1. GENERAL (.1-.4) | | | | |
| 2. GENERAL FACILITY STANDARDS (.10-.17) | | | | |
| 3. PREPAREDNESS AND PREVENTION (.30-.37) | | | | |
| 4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES (.50-.56) | | | | |
| 5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING (.70-.77) | ✓ | | | |
| 6. GROUND-WATER MONITORING (.90-.94) | | | ✓ | |
| 7. CLOSURE AND POST-CLOSURE (.110-.120) | | | ✓ | |
| 8. FINANCIAL REQUIREMENTS (.140-.145) | | | ✓ | |
| 9. USE AND MANAGEMENT OF CONTAINERS (.170-.177) | | ✓ | | 265.171 |
| 10. TANKS (.190-.199) | | | ✓ | |
| 11. SURFACE IMPOUNDMENTS (.220-.230) | | | ✓ | |
| 12. WASTE PILES (.250-.257) | | | ✓ | |
| 13. LAND TREATMENT (.270-.282) | | | ✓ | |
| 14. LANDFILLS (.300-.315) | | | ✓ | |
| 15. INCINERATORS (.340-.351) | | | ✓ | |
| 16. THERMAL TREATMENT (.370-.382) | | | ✓ | |
| 17. CHEM., PHYS./BIO. TREATMENT (.400-.406) | | | ✓ | |
| 18. UNDERGROUND INJECTION (.430) | | | ✓ | |

RCRA STATUS

GENERATOR TRANSPORTER TREATER STORER DISPOSER

IMMINENT HAZARD: YES NO

JUN 5 1991

4WD-WPB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Wanda Jenkins
Singer Furniture Company
Post Office Box 5337
Roanoke, VA 24014

RE: Singer Company Furniture Division, Washington
State Road 1175
Chocowinity, North Carolina, 27817

Dear Ms. Jenkins: *NCD 07012354 Beaufort Co.*

The United States Environmental Protection Agency (EPA), pursuant to the authority and requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. 9601 et seq., as amended by the Superfund Amendments and Reauthorization Act (SARA), Public Law 99-499, is planning to conduct an investigation of the above referenced site. Singer Company Furniture Division, Washington is located on State Road 1175, Chocowinity, Beaufort County, North Carolina. EPA has reason to believe that there may be a release or threat of a release of hazardous substances from the site into the surrounding environment. The purpose of this investigation is to determine the nature and extent of contamination at the site and to determine what, if any, further response action would be appropriate.

As per the telephone conversation with you on June 3, 1991, EPA was granted permission for access to your property beginning on or about July 8, 1991 and continuing through the completion of the investigation on or about July 12, 1991. Activities to be conducted during the investigation include:

1. Inspect, sketch, and photograph the premises;
2. Collect surface and subsurface soil samples;
3. Collect groundwater and surface water samples;
4. Collect sediment samples;
5. Conduct air monitoring;

6. Transportation of equipment onto and about the site as necessary to accomplish the activities above, including trucks and sampling equipment.

The above sampling activities will be conducted by personnel from EPA Region IV's Field Investigation Team (FIT). Mr. James Madaj of FIT will contact you prior to the actual site visit to make final arrangements and note any changes.

Split samples will be made available if requested. However, you will be required to furnish your own sample containers and laboratory analyses.

If you have any questions, please contact me at (404) 347-5065. Your cooperation in this matter is appreciated.

Sincerely,

Earl L. Bozeman, Jr.
Environmental Scientist

cc: Pat DeRosa, NCDHENR
Joan DuPont, NUS Corporation

EB:eb:Doc Accessinger:Disk Bozeman #1:6/03/91:x5065

4WD-SAS

4WD-SAS

BOZEMAN

DEIHL

THE FOLLOWING SITES ARE RCRA FACILITIES (THEREFORE, CERCLA NFRAP'S) AS OF AUGUST 21, 1989:

| REF. NO. | ID NO. | SITE NAME |
|----------|--------------|---------------------------------------|
| 2782 | NCD049773245 | DETREX CHEMICAL INDUSTRIES INC |
| 2772 | NCD047369046 | DUPONT, EI DE NUMOURS & CO. CAPE FEAR |
| 2622 | NCD003173358 | DURABLE WOOD PRESERVERS INC |
| 3155 | NCD991278524 | ENVIRONMENTAL RECYCLING CO. |
| 2732 | NCD041043811 | FIBER INDUSTRIES INC |
| 2597 | NCD003149292 | GASTON CO DYEING MACHINE CO |
| 2787 | NCD050409150 | GENL ELEC CO |
| 2876 | NCD072018252 | GENL ELEC MED STEAM TURBINE PROD DEPT |
| 2724 | NCD024900987 | HOLCOMB CREOSOTE CO |
| 2550 | NCD000771964 | LITHIUM CORP OF AMERICA CHEMICAL PLT |
| 2927 | NCD085438810 | MILLER BREWING CO |
| 3147 | NCD991277856 | NCD A PESTICIDE LAB STORAGE FACILITY |
| 2556 | NCD000773655 | OLDOVER CORP |
| 2585 | NCD000831065 | PHOTO CHEMICAL SYSTEMS INC |
| 2741 | NCD042091975 | RJR TECH CO |
| 2895 | NCD079060059 | SAFETY KLEEN CORP |
| 2559 | NCD000776740 | SAFETY - KLEEN 3-171-01 |
| 2892 | NCD077840148 | SAFETY - KLEEN CORP 3-064-01 |
| 2558 | NCD000776732 | SAFETY - KLEEN CORP. 3-031-02 |
| 2916 | NCD083673681 | SINGER CO - KERAFOTT DIV |
| 2875 | NCD072012354 | SINGER CO. FURNITURE DIV. WASHINGTON |
| 2939 | NCD091249417 | TEXTRON INC HOMELITE DIV |
| 2627 | NCD003184520 | WEST POINT PEPPERELL HAMILTON |
| 2654 | NCD003213907 | WESTERN ELEC CO INC LEX RD PLT |

THE FOLLOWING SITES ARE ALSO LISTED AS NFRAP SITES (AS PER POS' FILE REVIEW OF AUGUST 21, 1989):

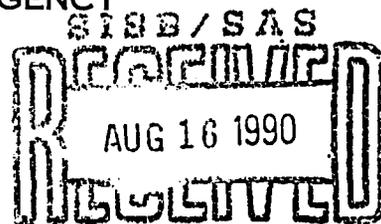
| REF. NO. | ID NO. | SITE NAME |
|----------|--------------|------------------------------------|
| 3041 | NCD980557946 | FAIRVIEW LDFL |
| 2675 | NCD003230083 | FANCOURT W F CO |
| 2567 | NCD000813683 | GA-PACIFIC CORP CHIP-N-SAW |
| 2964 | NCD097724306 | GA-PACIFIC CORP CHIP-N-SAW |
| 2565 | NCD000813659 | GA-PACIFIC CORP COMPLY |
| 3060 | NCD980559967 | GA-PACIFIC CORP HDWD SAW |
| 2562 | NCD000813543 | GA-PACIFIC CORP PANELBOARD |
| 2566 | NCD000813667 | GA-PACIFIC CORP PLYWOOD |
| 2669 | NCD003225620 | HIGH POINT FURNITURE INDUSTRIES |
| 2573 | NCD000828244 | KINGS MOUNTAIN PILOT CREEK WWTP |
| 2956 | NCD095119210 | MCGRAW EDISON CO |
| 3054 | NCD980559330 | NASH CO LDFL |
| 3055 | NCD980559348 | NASH CO LDFL |
| 3056 | NCD980559355 | NASH CO LDFL |
| 2533 | NCD000616466 | REYNOLDS RJ TOBACCO CO |
| 2867 | NCD071561864 | SHERWIN WILLIAMS CO |
| 3057 | NCD980559389 | TARBORO LDFL |
| 3153 | NCD991278300 | UNITED DRUM T/A RELIANCE UNIVERSAL |
| 3146 | NCD991277807 | WOOLFOLK CHEM WRKS WENDELL WBS |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

ENVIRONMENTAL SERVICES DIVISION
ATHENS, GEORGIA 30613



EPA - REGION IV
ATLANTA, GA.

MEMORANDUM

DATE: August 14, 1990

SUBJECT: Singer Company-Furniture Division, Washington, NC,
SSI Study Plan

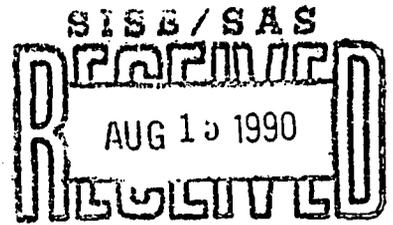
FROM: Pat Stamp *Pat Stamp*
Laboratory Quality Control Specialist
Laboratory Evaluation & Quality Assurance Section

TO: Al Hanke, Chief *AKH*
Site Assessment Section
Waste Programs Branch
Waste Management Division

THRU: Wade Knight, Chief *WK*
Laboratory Evaluation & Quality Assurance Section

We have reviewed the subject document and have no comments.

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION IV, ATHENS, GEORGIA



MEMORANDUM

DATE: AUG 14 1990

SUBJECT: NUS Study Plan, Singer Company - Furniture Division, Chocowinity,
Beaufort County, North Carolina; ESD Project Number 90E-559

FROM: Donald Hunter, Hydrogeologist *Donald Hunter*
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division

TO: Al Hanke, Chief *Al Hanke*
Site Assessment Section
Waste Programs Branch
Waste Management Division

THRU: M. R. Carter, P.E., Acting Chief *M. R. Carter*
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division

The subject study plan has been reviewed as requested. The plan is adequate with respect to the stated goals and objectives and should provide the basis for making determinations regarding the presence or absence of contaminants at the site.

Please call me at FTS 250-3351 if you have any questions regarding these comments.

cc: Finger/Wright
Carter/Bokey
Knight



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

SISB/SAS
REGISTERED
AUG 09 1990
EPA - REGION IV
ATLANTA, GA.
G-586-B-0-51

Robert

August 6, 1990

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

Subject: Screening Site Inspection
Study Plan
Singer Company - Furniture Division
Chocowinity, Beaufort County, N. C.
TDD No. F4-9006-50
Revision 0

Dear Mr. Hanke:

Enclosed please find two copies of the Study Plan, Revision 0, for the Screening Site Inspection to be conducted at Singer Company - Furniture Division, located in Chocowinity, Beaufort County, N. C. Field work is scheduled for the week of August 27, 1990.

Please contact me if you have any questions concerning this Study Plan.

Very truly yours,

Approved:

Maureen M. Gordon
Maureen M. Gordon, Ph.D.
Project Manager

Aleg Schank

MMG/tb

Enclosures (2)

**STUDY PLAN
SCREENING SITE INSPECTION, PHASE II
SINGER COMPANY - FURNITURE DIVISION
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA
EPA ID #: NCD072012354**

Prepared Under
TDD No. F4-9006-50
CONTRACT NO. 68-01-7346

Revision 0

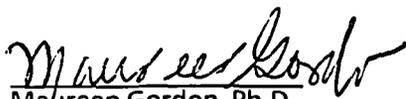
FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

August 6, 1990

NUS CORPORATION
SUPERFUND DIVISION

Prepared By


Maureen Gordon, Ph.D.
Project Manager

Reviewed By


Roger Franklin
Assistant Regional
Project Manager

Approved By


Phil Blackwell
Regional Project Manager

NOTICE

The information in this document has been funded wholly by the United States Environmental Protection Agency (EPA) under Contract Number 68-01-7346 and is considered proprietary to the EPA.

This information is not to be released to third parties without the expressed or written consent of the EPA.

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STUDY PLAN
SCREENING SITE INSPECTION, PHASE II
SINGER COMPANY - FURNITURE DIVISION
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA
EPA ID # NCD072012354
TDD NO. F4-9006-50

1.0 INTRODUCTION

The NUS Corporation Region 4 Field Investigation Team (FIT) has been tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Screening Site Inspection (SSI) at the Singer Company - Furniture Division facility in Beaufort County, North Carolina. The inspection will be performed under the authority of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). Tasks will be performed to satisfy the requirements stated in Phase II of Technical Directive Document (TDD) number F4-9006-50.

1.1 Objectives

The objectives of this Phase II inspection will be to determine the nature of contaminants present at the site and to determine if a release of these substances has occurred or may occur. Further, this inspection will seek to determine the possible pathways by which contamination could migrate from the site and the populations and environments it would potentially affect. Through these objectives, a recommendation will be made regarding future activities at the site.

Specific elements are:

- Obtain information to prepare a site-specific preliminary HRS
- Provide EPA the necessary information to make decisions on any other actions warranted at the site.

1.2 Scope of Work

The scope of this investigation will include the following activities:

- Obtain and review background materials relevant to HRS scoring of site
- Obtain aerial photographs and maps of site, if possible
- Obtain information on local water systems
- Evaluate target populations associated with the groundwater, surface water, air and onsite exposure pathways
- Conduct a survey of private wells
- Determine location and distance to nearest potable well
- Develop a site sketch
- Collect environmental samples

1.3 Schedule

Week of August 27, 1990

1.4 Personnel

Project Manager - Maureen Gordon, Ph.D.

Other personnel as required

1.5 Permits and Authorization Requirements

EPA is responsible for obtaining access to the site and permission to take photographs of site. In addition, EPA is responsible for all permits which may be required to accomplish this task.

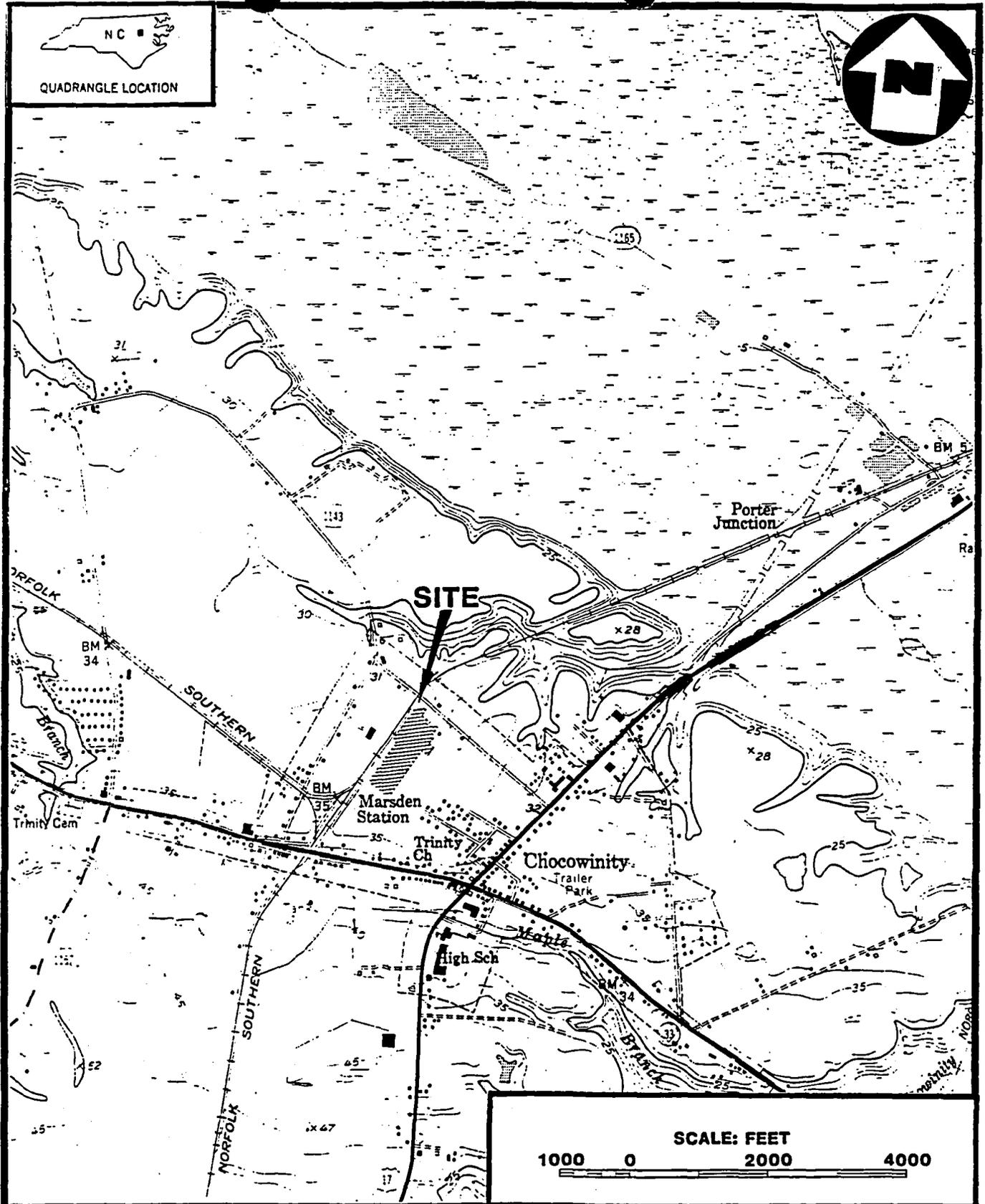
1.6 Site History and Description

Singer Company - Furniture Division is located on State Road 1175 in Chocowinity, Beaufort County, North Carolina. The Singer Company facility has been in operation since 1950, and manufactures furniture goods, such as bedroom, dining room and living room items (Ref. 1). This process involves machining, sanding, assembly and finishing. Liquid and solid hazardous waste consists of paint, paint thinners, spent solvents, and sanding and spray booth cleanup material. In 1983, the liquid waste was pumped from 55 gallon drums into a tanker truck by Oldover Corporation of Cascade, Virginia (Ref. 2). From 1950-1976 waste was shipped to the Singer Company landfill (previously a city and county landfill location) in Lenoir, North Carolina (Ref. 2). Waste quantity during that period was estimated at 465 tons (Ref. 3). No waste was reportedly disposed at the facility, although numerous drums were being stored in contained and uncontained areas during the reconnaissance (Refs. 3, 4). Additionally, a 1983 RCRA inspection indicated some leaking and rusty containers (Ref. 2). Two stormwater impoundments were also observed onsite during the reconnaissance (Ref. 4). The facility had submitted a RCRA Part A application, however their status was changed to a small quantity generator on January 20, 1982 (Refs. 1, 5). They are currently classified as a generator (Ref. 6). The facility is located on 30 to 40 acres with the plant itself occupying 10 to 15 acres (Ref. 7)

A site location map appears on Figure 1 and a site layout map on Figure 2.

1.7 Regional Hydrogeology

The facility is in the Atlantic Coastal Plain hydrogeologic regime which consists of a wedge-shaped sequence of stratified gravel, sand, silt, clay, and limestone in various combinations deposited on a crystalline basement surface (Ref. 8, p. 26). The deepest aquifer used in the area is the Cretaceous Lower Sand Unit comprised of the Black Creek and Tuscaloosa stratigraphic units located at a depth of 430 feet below land surface (bls) (Ref. 8, pp. 62, 63). Other aquifers between this aquifer and the surface are the Cretaceous Upper Sand Unit comprised of the lower one-third to one-half of the Peedee stratigraphic unit located at a depth of 200 feet bls, the Castle Hayne Unit located at a depth of 50 feet bls, and the water table unit located at the land surface (Ref. 8, pp. 41-54). The clay and silt of the Yorktown Formation, at a depth of 25 feet bls, represents the layer of lowest hydraulic conductivity between the surface and deeper aquifers. These types of sediments have been shown to have hydraulic conductivity values ranging from 1×10^{-5} to 1×10^{-7} cm/sec (Ref. 8, pp. 46, 53; 9, p. 29).

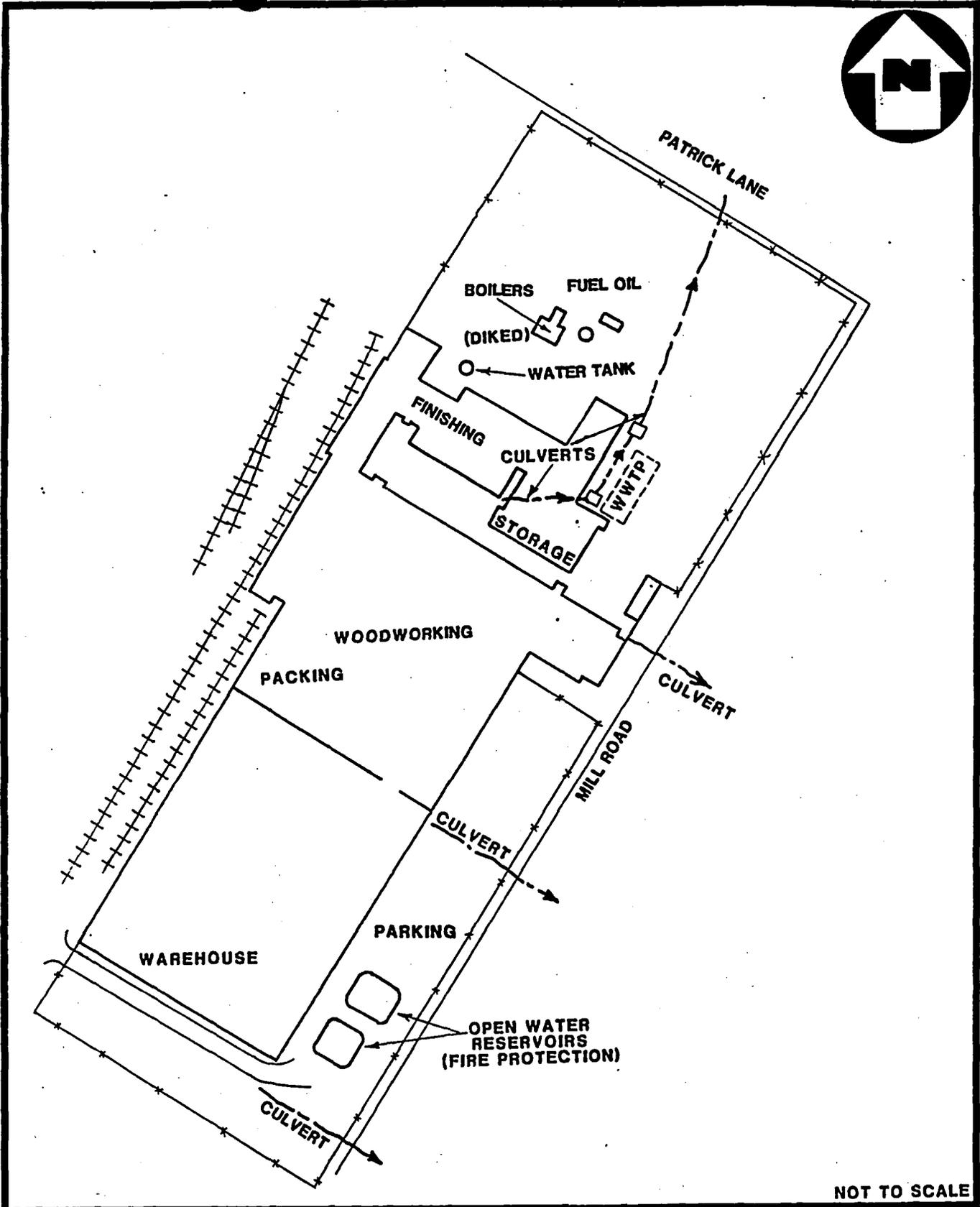


BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE HACKNEY, NORTH CAROLINA 1983.

**SITE LOCATION MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA**

FIGURE 1





NOT TO SCALE

**SITE LAYOUT MAP
SINGER COMPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY,
NORTH CAROLINA**

FIGURE 2



The water table in this area is located at 21 feet bls (Ref. 10, p. 11). The net annual rainfall for the area is 9 inches and the 1-year, 24-hour rainfall is 3.5 inches (Ref. 11, pp. 37, 63; 12, p. 93).

Drinking water in the area is provided by private wells and public water systems. There are about 360 private wells within a 3-mile radius of the site, and the closest is located about 100 feet south of the site (Ref. 13). Public water around Chocowinity is provided by the town, which has two wells 80-90 feet deep and serves 1200 people (Ref. 14). The closest is 2000 feet south of the facility. About 150 residents in the Whichard's Beach area on Chocowinity Bay are served by Whichard's Beach Water System, which has two wells about 150 feet deep (Ref. 15). These are located outside the 4-mile radius. About 150 private wells are present between the 3-4 mile radius (Ref. 13). Private well depths in the county range from 15-250 feet (Ref. 15).

Surface water from the site can enter a small stream about 1000 feet to the west which drains to the Pamlico River about 2 miles to the north. The river near Washington is used for recreational fishing, however commercial fishing occurs within 15 miles downstream (Ref. 16). A large expanse of cypress wetlands are located about 1 mile north in the area bordering the Pamlico River (Ref. 13).

2.0 SAMPLING INVESTIGATION

The sampling investigation will include the collection of 16 environmental samples which include the following: four surface soil, four subsurface soil, three sediment, four groundwater from temporary wells, and one groundwater from a private well sample. Samples will be analyzed for extractable and purgeable organic compounds, pesticides, PCBs, cyanides, and metals. Analyses will be performed under the Contract Laboratory Program (CLP). Sample codes and descriptions may be found on Table 1 and are shown on Figure 3.

2.1 Soil Sampling

Four sets of surface and subsurface soil samples will be collected to determine the presence or absence of contaminants. Surface soil samples will be taken in depths ranging from 0 to 2 feet below land surface (bls), while subsurface soil samples will be taken from the zone of saturation. In addition, three sediment samples will be taken along culverts.

TABLE 1

SAMPLE LOCATIONS AND RATIONALE
 SINGER COMPANY - FURNITURE DIVISION
 WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

| Sample Code | Sample Type | Location | Rationale |
|-------------|-----------------|--|--|
| SC-SS-01 | Surface Soil | Offsite on southwest corner | Establish background conditions and isolate contaminants from railroad |
| SC-SS-02 | Surface Soil | Along culvert leading to drainage ditch on east side adjacent to finishing area of plant building | Determine presence or absence of contaminants |
| SC-SS-03 | Surface Soil | Along culvert leading to drainage ditch on north side adjacent to woodwashing area of plant building | Determine presence or absence of contaminants |
| SC-SS-04 | Surface Soil | Area north of fuel oil storage | Determine presence or absence of contaminants |
| SC-SB-01 | Subsurface Soil | In conjunction with SC-SS-01 | Establish background conditions and isolate contaminants from railroad |
| SC-SB-02 | Subsurface Soil | In conjunction with SC-SS-02 | Determine presence or absence of contaminants |
| SC-SB-03 | Subsurface Soil | In conjunction with SC-SS-03 | Determine presence or absence of contaminants |
| SC-SB-04 | Subsurface Soil | In conjunction with SC-SS-04 | Determine presence or absence of contaminants |
| SC-SD-01 | Sediment | Along culvert on east side of building adjacent to wood working area | Determine presence or absence of contaminants |
| SC-SD-02 | Sediment | Along culvert on east side of building adjacent to finishing area | Determine presence or absence of contaminants |
| SC-SD-03 | Sediment | Area north of waste water treatment plant in culvert | Determine presence or absence of contaminants |

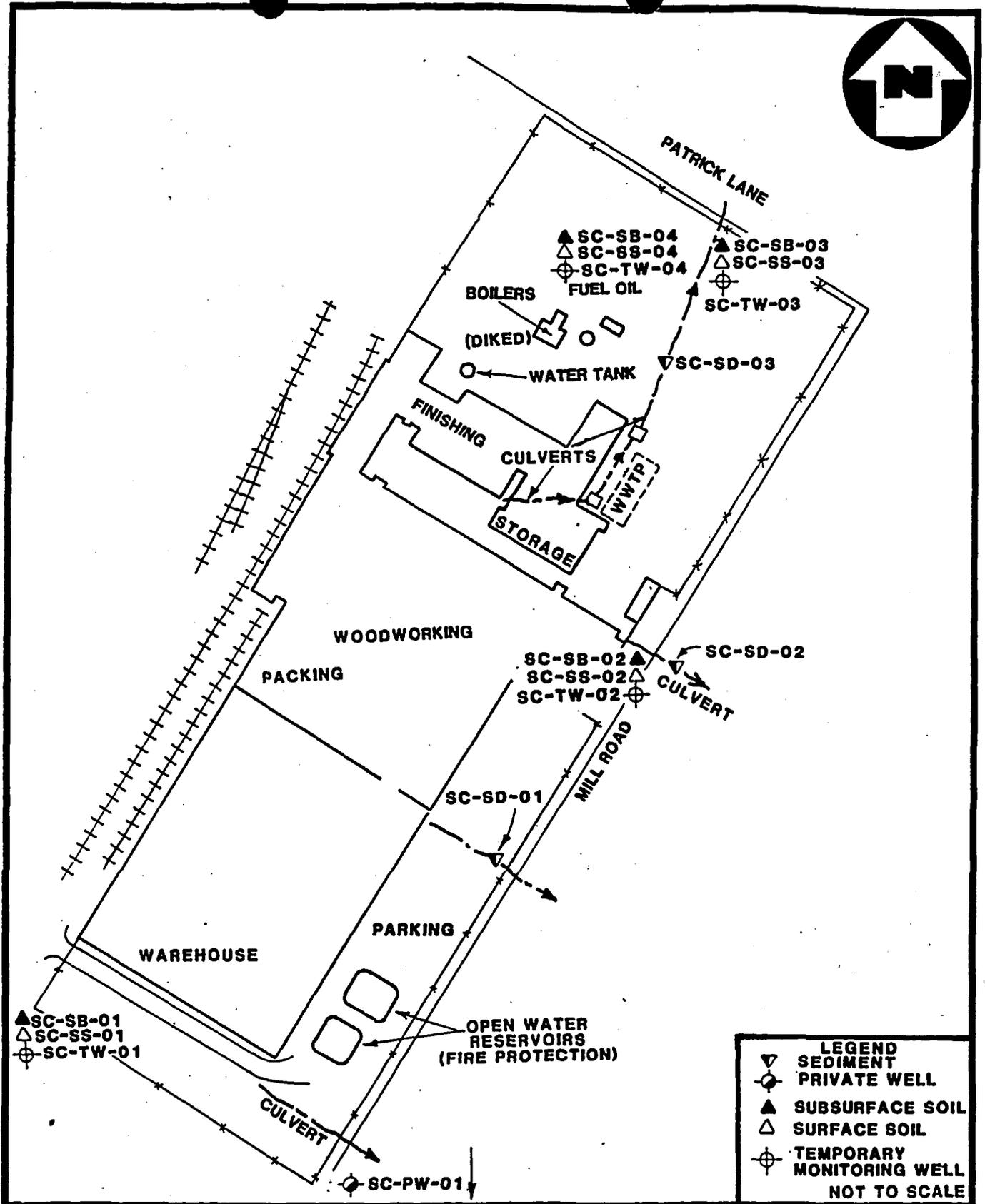
- SC - Singer Company
- SS - Surface Soil
- SB - Subsurface Soil
- SD - Sediment
- TW - Temporary Well, Groundwater
- PW - Private Well, Groundwater

TABLE 1

SAMPLE LOCATIONS AND RATIONALE
 SINGER COMPANY - FURNITURE DIVISION
 WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

| Sample Code | Sample Type | Location | Rationale |
|-------------|-------------|---|--|
| SC-TW-01 | Groundwater | In conjunction with SC-SS-01 | Establish background conditions and isolate contaminants from railroad |
| SC-TW-02 | Groundwater | In conjunction with SC-SS-02 | Determine migration of contaminants into groundwater |
| SC-TW-03 | Groundwater | In conjunction with SC-SS-03 | Determine migration of contaminants into groundwater |
| SC-TW-04 | Groundwater | In conjunction with SC-SS-04 | Determine migration of contaminants into groundwater |
| SC-PW-01 | Groundwater | Private well located 100 feet south of facility | Determine migration of contaminants into groundwater |

- SC - Singer Company
- SS - Surface Soil
- SB - Subsurface Soil
- SD - Sediment
- TW - Temporary Well, Groundwater
- PW - Private Well, Groundwater



**SAMPLE LOCATION MAP
SINGER COPANY-FURNITURE DIVISION
CHOCOWINITY, BEAUFORT COUNTY
NORTH CAROLINA**

FIGURE 3

2.2 Groundwater Sampling

Groundwater will be collected from four temporary wells in conjunction with the surface and subsurface soil samples. Additionally, a private well located 100 feet south of the facility will be sampled.

2.3 Analytical and Container Requirements

Sample containers used will be in accordance with the requirements specified in the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986. The following is a description of the analysis and types of containers required.

| <u>Analyses</u> | <u>Container</u> | <u>Preservatives**</u> |
|------------------------------------|----------------------|-------------------------------|
| Ext. Organics, Water | 1 gal., amber glass* | None |
| Volatile Organics, Water | 40 ml., glass vial* | 4 drops conc. HCL to pH <2 |
| Metals, Water | 1 liter, plastic | 50% HNO ₃ to pH <2 |
| Cyanide, Water | 1 liter, plastic | NaOH to pH >12 |
| Ext. Organics, Soil/Sediment | 8 oz., glass* | None |
| Volatile Organics Soil/Sediment | 4 oz., glass* | None |
| Inorganics, Soil/Sediment | 8 oz., glass* | None |

* Sample container lids are lined with teflon.

** All samples will be iced to 4°C upon collection.

2.4 Methodology

All sample collection, sample preservation, and chain-of-custody procedures used during this investigation will be in accordance with the standard operating procedures as specified in Section 3 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986.

All laboratory analyses and laboratory quality assurance procedures used during this investigation will be in accordance with standard procedures and protocols as specified in the Analytical Support Branch Operations and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division; revised June 1, 1985 or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

REFERENCES

1. Potential Hazardous Waste Site Preliminary Assessment (EPA Form 2070-12) for Singer Company-Furniture Division. Filed by O.W. Strickland, Division of Health Services, Solid and Hazardous Waste Management Branch, March 12, 1984.
2. Fred J. Woods, DHS, Eastern Regional Office, February 7, 1983 correspondence to O.W. Strickland, Head Solid & Hazardous Waste Management Branch. Subject: RCRA Inspection Report.
3. Dick McDonald, Safety Engineering manager, Singer Furniture, February 27, 1984 correspondence to Lee Crosby, Chemist, North Carolina Department of Human resources. Subject: CERCLA Notification.
4. NUS Corporation Field Logbook No. F4-1770 for Singer Company - Furniture Division, TDD No. F4-8909-104. Documentation of facility reconnaissance, November 2, 1989.
5. O.W. Strickland, Solid and Hazardous Waste Management, January 20, 1982 correspondence to Singer Furniture. Subject: RCRA status.
6. North Carolina Solid and Hazardous Waste Management Alphabetic List of Hazardous Waste Facilities Report date August 10, 1989.
7. Dick McDonald, Singer Company, telephone conversation with Maureen Gordon, NUS Corporation, July 24, 1990. Subject: Site layout map, operations at facility.
8. James Narkunas, 1980, Groundwater Evaluation in the Central Coastal Plain of North Carolina, Department of Natural Resources and Community Development.
9. R. Allen Freeze and John A. Cherry, Groundwater, (Englewood Cliffs, New Jersey: Prentice Hall, 1979).
10. E.O. Floyd and A.T. Long, Well Records and Other Basic Groundwater Data, Craven County, North Carolina, North Carolina Department of Water and Air Resources, Groundwater Circular 14.
11. U.S. Department of Commerce, Climatic Atlas of the United States, (Washington, D.C.: GPO, June 1968) Reprint: 1983, National Oceanic and Atmospheric Administration.
12. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper No. 40, (Washington, D.C.: GPO, 1963, p. 93).
13. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of North Carolina: Hackney, Photorevised 1983; Washington, Photorevised 1983; Grimesland, 1979; and Wilmar, 1983. Scale 1:24,000.
14. Charles Williamson, Mayor of Chocowinity, October 19, 1989 telephone conversation with Bob Donaghue, NUS Corporation. Subject: Chocowinity drinking water.
15. Bob O'Neil, Beaufort County Environmental Health, October 19, 1989 telephone conversation with Bob Donaghue, NUS Corporation. Subject: Water Information for Beaufort County.

16. B.J. Copeland, R.G. Hodson, and S.R. Riggs, 1984, The Ecology of the Pamlico River, North Carolina: An Estuarine Profile. U.S. Fish and Wildlife Service. PB85-155703.



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

July 23, 1990

William L. Meyer
Director

Mr. Bob O'Neil
Environmental Health Supervisor
Beaufort County Health Department
132 North Market Street
Washington, North Carolina 27889

RE: Phase II Screening Site Investigation
Singer Furniture Division
NCD 072 012 354

Dear Mr. O'Neil:

David Lilley of the NC Superfund Section spoke with you today to notify you that the EPA Field Investigation Team (FIT) will conduct a screening site investigation of the subject site located in Beaufort County, North Carolina. The investigation will be conducted on August 31, 1990 by Maureen Gordon of NUS Corporation.

The purpose of the investigation is to determine if the site poses a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The investigation team will take samples on and around the site to determine if a hazardous condition exists. Additionally, they will locate all nearby water supplies (surface and groundwater, community and private) and any close sensitive environments, schools, and day care centers.

This investigation is not an emergency situation but is a normal step in the evaluation of all uncontrolled and unregulated potential hazardous waste sites in North Carolina. You may want to have your representative meet the investigation team at the site. If so, please contact Maureen Gordon at 1-800-888-7710 and she will coordinate a meeting. I am enclosing background data on the site for your information.

Mr. O'Neil
July 23, 1990
Page 2

If the investigation indicates the need for future study of the site, we will contact your office to advise. If you have any questions, please don't hesitate to call David Lilley or me at (919) 733-2801.

Sincerely,



Pat DeRosa, Project Officer
CERCIA Branch
Superfund Section

Enclosures

cc: Gordon Layton
Doug Holyfield
Steve Reid
Lois Walker
Ann Rudd
David Lilley
File



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

4WD-WPB

JUL 12 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

JUL 15 1990

SUPERFUND SECTION

Mr. Dick McDonald
Singer Company
P.O. Box 1588
Lenoir, North Carolina 28645

RE: Singer Company
Furniture Division, Washington
State Road 1175
Chocowinity North Carolina 27817
NCD072012354

Dear Mr. McDonald:

The United States Environmental Protection Agency (EPA), pursuant to the authority and requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. 9601 et seq., as amended by the Superfund Amendments and Reauthorization Act (SARA), Public Law 99-499, is planning to conduct an investigation of the above referenced site. Singer Company is located on State Road 1175, Chocowinity, North Carolina. EPA has reason to believe that there may be a release or threat of a release of hazardous substances from the site into the surrounding environment. The purpose of this investigation is to determine the nature and extent of contamination at the site and to determine what, if any, further response action would be appropriate.

As per your telephone conversation with me on July 7, 1990, EPA was granted permission for access to your property beginning on or about August 27, 1990, and continuing through the completion of the investigation on or about August 31, 1990. Activities to be conducted during the investigation include:

1. Inspect, sketch, and photograph the premises;
2. Collect surface and subsurface soil samples;
3. Collect groundwater and subsurface water samples;
4. Collect sediment samples;
5. Conduct air monitoring;

6. Transportation of equipment onto and about the site as necessary to accomplish the activities above, including trucks and sampling equipment.

The above sampling activities will be conducted by personnel from EPA Region IV's Field Investigation Team (FIT). Ms. Maureen Gordon of FIT will contact you prior to the actual site visit to make final arrangements and note any changes.

Split samples will be made available if requested. However, you will be required to furnish your own containers as well as your own laboratory analyses.

If you have any questions, please contact me at (404) 347-5065. Your cooperation in this matter is appreciated.

Sincerely,



Robert Morris
Environmental Engineer

cc: Pat DeRosa, NCDEHNR
Joan Dupont, NUS Corporation
Ms. Maureen Gordon, NUS Corporation

Federal
Trip Notification & Authorization

Prepared by: David Lilly

Today's Date: July 23, 1990

*Use Black Ink or Typewriter only-Staff to fill out first 2 blocks only.

Site Trip

Date of Trip: August 31, 1990

If trip date changed or cancelled note below:

Trip Date Changed To: _____ Cancelled: _____

NCD#: NCD 072 012 354 Site Name: Singer Company Furniture Division
City: Chelawinity County: Beaufort

Reason for Trip: Phase II Screening Site Investigation

Name of Hotel (Overnight Trip): _____ Hotel Telephone Number: () ____ - ____

Authorized by: _____
Industrial Hygienist

Project Team Leader: Maurice Gordon

Assistants: _____, _____, _____

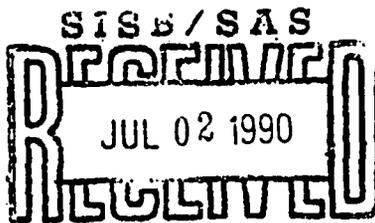
Attach To Notification Form: 1 copy each: Preliminary Assessment Form (First page only)
Submit to the Site Map
Industrial Hygienist PA Transmittal Letter

(Please list appropriate County Health Department contact person to call to advise of trip)
Environmental Supervisor or Health Director to call: Mr. Bob O'Neil Title: Env. Health Supervisor
(Note if Dr., M.P., etc.)
Telephone Number: (919) 946-6048

Notes: Health Department Official Contacted: Bob O'Neil
Back Up Letter Required: Yes No
Notified Mr. O'Neil on 7-23-90 (DBL)

Note: Signed original to Data Manager

NUS CORPORATION
SUPERFUND DIVISION



INTERNAL CORRESPONDENCE

TO: Robert Morris

EPA - REGION IV
ATLANTA, GA.

DATE: June 29, 1990

FROM: Joan Dupont

COPIES:

SUBJECT: Site access information form - SSI, Phase II for
Singer Company Furniture Division Washington
(NCD 072012354)

Enclosed is the site access information form for the
following site:

Singer Company Furniture Division Washington
Chocowinity, Beaufort County, North Carolina
NCD072012354
TDD No. F4-9006-50

Field sampling is scheduled for the week of August 27, 1990.
The FIT Project Manager is Dr. Maureen Gordon.

ACCESS INFORMATION SHEET

SISB/SAS
RECEIVED
 JUL 02 1990
RECEIVED
 EPA - REGION IV
 ATLANTA, GA.

Site Name: Singer Company Furniture
Division Washington **FIT Project Manager:** Maureen Gordon, Ph.D.
Site Address: State Road 1175 **FIT State Coordinator:** Joan Dupont
Chocowinity, N. Carolina **EPA Contact:** Robert Morris
27817 **Field Date:** Week of August 27, 1990
EPA ID #: NCD072012354 **TDD Number:** F4-9006-50

| | File Information | Verification |
|---|--|--|
| Facility Owner/Operator Address Phone No. Principal Contact | Dick McDonald P.O. Box 1588 Lenore, N.C. 28645 (704) 728-6741 | Dick McDonald Singer Company P.O. Box 1588 Lenoir, N.C. 28645 (704) 728-6741 |
| Landowner Address Phone No. Principal Contact (if different from above) | | |
| Date of Information: | | 6/1/90 |

| | | | |
|--|-----------------------|--|----------------------|
| Date Access Required (3 weeks prior to field date) | <u>August 6, 1990</u> | Date Information Submitted to EPA | <u>June 29, 1990</u> |
|--|-----------------------|--|----------------------|

Comments:



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

6 October 1989

Mr. Bob O'Neal
Environmental Health Supervisor
Beaufort County Health Department
132 North Market St.
Washington, NC 27889 Courier 01-72-08

RE: Off Site Reconnaissance
Singer Co. Furniture Division Washington
NCD 072 012 354

Dear Mr. O'Neal:

Grover Nicholson of the NC Superfund Section spoke with you today to notify you that the EPA Field Investigation Team (FIT) will conduct an off-site reconnaissance of the subject site located in Chocowinity. The reconnaissance will be conducted on 1-3 November 1989 by Bob Donaghue of NUS Corporation.

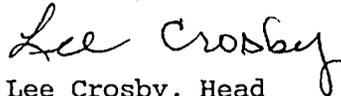
The purpose of the reconnaissance is to determine if the site poses a hazard to public health or the environment because of potential releases of contaminants to soil, surface water, groundwater, or air. The investigation team will locate all nearby water supplies (surface and groundwater, community and private) and any close sensitive environments, schools, and day care centers.

This reconnaissance is not an emergency situation but is a normal step in the evaluation of all uncontrolled and unregulated potential hazardous waste sites in North Carolina. You may want to have your representative meet with the investigation team. If so, please contact Bob Donaghue at 1-800-888-7710 and he will coordinate a meeting. I am enclosing background data on the site for your information.

Mr. O'Neal
10-6-89
Page 2

If the reconnaissance indicates the need for future study of the site, we will contact your office to advise. If you have any questions, please don't hesitate to call Grover Nicholson or me at (919)733-2801.

Sincerely,



Lee Crosby, Head
Superfund Branch
Solid Waste Management Section

LC/db/5.doc

Enclosures

cc: Gordon Layton
Doug Holyfield
Steve Reid
Lois Walker
Ann Rudd
Grover Nicholson

FEDERAL
TRIP
NOTIFICATION
& AUTHORIZATION

TODAY'S DATE: 5 Oct 89
PREPARED BY: Q Nichols (Staff member filling out form)

SITE TRIP

DATE OF TRIP: 1-3 NOV 89
If trip date changed or cancelled note below:
CHANGE OF DATE TO: _____ OR CANCELLED: _____

SITE NAME: Singer Co. Furn. Div. Wash.
NCD#: 072 012 354
REASON FOR TRIP: off site Reconnaissance
CITY: Chocowinity COUNTY: Beaufort

If Overnight trip, Hotel staying at: _____
Telephone Number: _____

(Please list appropriate county health person to call to advise of trip)
ENVIRONMENTAL SUPERVISOR OR

HEALTH DIRECTOR TO CALL: Mr. Bob O'Neal TITLE: Environ Health Super.
(Note if Dr., M.P., etc.)

Telephone Number: (919) 946-6048

Project Team Leader: EPA FIT. NUS
Assistants: Bob Danaghue

AUTHORIZED BY: Q Nichols
CERCLA Unit Supervisor

ATTACHMENT

TO NOTIFICATION FORM: 4 copies each of PRELIMINARY ASSESSMENT FORM (1st page only)
NOTIFICATION FORM, & EPA TRANSMITTAL LETTER

- Staff Notification Procedure: (Use black ink or Typewriter Only)
1. Above form goes to Data Management Coordinator (DMC) 10 days prior to trip
 2. If date of trip changes - note changed date, or mark "X" if cancelled
 3. DAY AFTER TRIP, submit to Lee Crosby a short paragraph on site trip.

NOTES: Q Nichols contacted B. O'Neal
HEALTH DEPT. OFFICIAL CONTACTED: on 6 Oct 89.
BACK UP LETTER REQUIRED: Yes No



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

RECEIVED

C-586-9-9-175

SEP 27 1989

SUPERFUND BRANCH

September 25, 1989

Mr. Grover Nicholson
 Superfund Branch
 North Carolina Department of Human Resources
 P. O. Box 2091
 Raleigh, North Carolina 27602-2091

Subject: Scheduled FIT Reconnaissances in
 North Carolina

Dear Mr. Nicholson:

The EPA Field Investigation Team (FIT) will be visiting the state of North Carolina during October and November, 1989. FIT will be conducting offsite reconnaissances and gathering information to investigate the following sites:

| Date | EPA ID No. | Site Name | County | FIT Project Mgr. |
|--------------|---------------------|---|-------------|------------------|
| Oct. 16-19 | NCD991279118 | Meredith/Burda, Inc. | Catawba | Eric Corbin |
| | NCD044440642 | Lane Company, Inc. | Catawba | Clifford Leonard |
| | NCD066304627 | Premium Coatings, Inc. | Catawba | Clifford Leonard |
| | NCD003228087 | S & W Chemicals, Inc. | Catawba | Prince Goins |
| | NCD105797922 | Technibilt (Div. of Whittar) | Catawba | Eric Corbin |
| | NCD000648436 | Trend Line Furniture Corp. | Catawba | Prince Goins |
| Nov. 1-3 | NCD081332991 | Trend Line Furniture Corp. | Catawba | Prince Goins |
| | NCD072012354 | Singer Co. Furniture Division Washington | Beaufort | Bob Donaghue |
| | NCD003197704 | Salt Wood Products | Craven | Bob Donaghue |
| | NCD072020399 | Proctor & Gamble Paper Products Company | Pitt | Kenneth Sanders |
| | NCD075575191 | Reed National Corp. | Pitt | Kenneth Sanders |
| NCD003184249 | Union Carbide Corp. | Pitt | Joan Dupont | |

These reconnaissance trips are in addition to the ones listed in my letter of September 18, 1989. Please notify the appropriate local agencies. I appreciate your help in this matter.

Very truly yours,

Joan J. Dupont
 Joan J. Dupont
 North Carolina Coordinator

Approved:

Alex Schank

JJD/kw

cc: Kelly Cain, USEPA
 Robert Morris, USEPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

RECEIVED

SEP 5 1989

SUPERFUND BRANCH

4WD-SISB

SEP 0 1 1989

Mr. Greg Shank
NUS Corporation
1927 Lakeside Parkway, Suite 614
Tucker, GA 30084

Dear Mr. Shank:

Please open TDD's on the following North Carolina sites for completion of the Two-Phase Site Screening Investigations. The sites are arranged by geographical area.

| <u>NO.</u> | <u>REF. NO.</u> | <u>I.D. NO.</u> | <u>NAME</u> | <u>COUNTY</u> |
|------------|-----------------|-----------------|---|---------------|
| 1 | 2538 | NCD000623140 | Duracell Intl Lithium Systems | Burke |
| 2 | 2616 | NCD003163888 | Henredon Furniture, Inc. | Burke |
| 3 | 2786 | NCD049997786 | Iumont Corporation | Burke |
| 4 | 2620 | NCD003167988 | Marantz Piano Co., Inc. | Burke |
| 5 | 2525 | NCD000609784 | PT Components, Inc. | Burke |
| 6 | 2810 | NCD055161186 | Romarco LTD | Burke |
| 7 | 4284 | NCD981472624 | US 70 Drum Dump | Burke |
| 8 | 2518 | NCD000604322 | Singer Co. Furniture Div. Plants 3-4 | Caldwell |
| 9 | 3171 | NCD991279118 | Meredith/Burda, Inc. | Catawba |
| 10 | 2754 | NCD044440642 | Lane Company, Inc. | Catawba |
| 11 | 2848 | NCD066304627 | Premium Coatings, Inc. | Catawba |
| 12 | 2671 | NCD003228087 | S&W Chemicals, Inc. | Catawba |
| 13 | 2966 | NCD105797922 | Technibilt (Div. of Whittar) | Catawba |
| 14 | 2544 | NCD000648436 | Trend Line Furniture Corp. | Catawba |
| 15 | 2903 | NCD081332991 | Trend Line Furniture Corp | Catawba |

RCEA TSD

| | | | | |
|----|------|--------------|---|------------|
| 16 | 2875 | NCD072012354 | Singer Co. Furniture Division Washington | Beaufort |
| 17 | 2740 | NCD042091215 | RJR Tech Co. | Bertie |
| 18 | 2644 | NCD003197704 | Salt Wood Products | Craven |
| 19 | 2540 | NCD000623223 | Martin Manufacturing Properties | Martin |
| 20 | 2877 | NCD072020399 | Proctor & Gamble Paper Products Co. | Pitt |
| 21 | 2887 | NCD075575191 | Reed National Corp. | Pitt |
| 22 | 2626 | NCD003184249 | Union Carbide Corp. | Pitt |
| 23 | 2563 | NCD000813592 | GA-Pacific Corp. HDWD Saw | Washington |
| 24 | 2554 | NCD000773507 | GA-Pacific Corp. HDWD Saw | Halifax |

*Check for
BPM status*

If you have any questions, please call Kelly Cain at (404) 347-5065.

Sincerely,



Susan M. Deihl, Chief
North Unit
Site Assessment Section

cc: Grover Nicholson, NCDHR

9 April 1984

TO: File

FROM: Lee Crosby

RE: USGS Map
Singer Company Furniture Division
Chocowinity NCD072012354

According to a 6 April 1984 telephone conversation with EPA 3012 Project Director Walton Jones, a U. S. Geological Survey map is not needed for the preliminary assessment file if the facility is included on the ERRIS list via HWDMS and there are no on-site spills or burials.



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

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

March 28, 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

Subject: Preliminary Assessment Report

Celanese Corporation
2400 Archdale Drive Charlotte, N. C. 28210 NCD093338116

Lenoir City Landfill
904 Virginia Street Lenoir, N. C. 28645 NCD980557888

Singer Company/Furniture Division
904 Virginia Street Lenoir, N. C. 28645 NCD000604322

Caldwell County Landfill
NC Highway 90 Lenoir, N. C. 28645 NCD980557870

Singer Company/Furniture Division
1409 West College Avenue Lenoir, N. C. 28645 NCD000604330

Singer Company/Furniture Division
2424 Norwood Street (Hwy 3215) Lenoir, N.C. NCD062568035
27330

Singer Company/Furniture Division
133 A Charlotte Avenue Sanford, N.C. 27330 NCD053490462

Singer Company/Furniture Division
Route 1, Gibson Avenue Bryson City, N.C. NCD098765506
28713

Singer Company/Furniture Division
State Road 1175 Chocowinity, N. C. 27817 NCD072012354

SCM Corporation/Glidden Coating and Resins
3926 Glenwood Drive Charlotte, N. C. 28208 NCD093338119

Everhart Lumber Company
Thurmond Road, State Road 1117 NCD003190584
New Bern, N. C. 28560

Dear Mr. Jones:

Enclosed please find the Preliminary Assessment reports for the subject sites.

Based on our review of available data, Celanese Corporation, the Lenoir City Landfill, the Caldwell County Landfill and the subject Singer Company/Furniture Division plants are not hazardous waste sites and should be placed on the inactive ERRIS List.

Celanese Corporation/Fibers Research Division in Charlotte notified due to on-site burial between 1959 and 1962 of 900 cubic feet of filter pads containing small amounts of acetone and methylene chloride. According to the Celanese Environmental and Safety Supervisor, the filters were used while developing a new process; they were not used after 1962. The burial site is now covered with grass and no other wastes have been buried on-site. No further action is recommended for the Celanese Corporation site on Archdale Drive in Charlotte due to the low quantities and volatility of the solvents and the passage of more than 20 years since the site was last used for burial.

The Lenoir City Landfill was included on the ERRIS List due to a Singer Company notification for lacquer spray residues and lacquer spray sludge. Waste analysis data shows that no hazardous materials were discarded in the landfill with the exception of filler scrappings. The filler scrappings are hazardous by characteristic due to ignitability. Prior to 1960 standard solid waste disposal consisted of open burning at the landfill, as well as covering and mixing the waste with soil and other materials. This quantity of waste would no longer be ignitable given the methods of disposal. According to the Lenoir City Manager's office, the landfill was closed 25 years ago and is covered by vegetation. No further action is recommended for the inactive Lenoir City Landfill on Virginia Street in Lenoir.

The Singer Company/Furniture Division on Virginia Street in Lenoir, N. C. notification shows lacquer spray residues and lacquer spray sludge were discarded on property adjacent to (and purchased from) the Lenoir City Landfill. Waste characterization data for residues and sludges, as well as the filler scrappings reference for the Lenoir City Landfill in the preceding paragraph is applicable. Singer Company on site burial of ignitable materials was discontinued in 1976. No further action is recommended.

The Caldwell County Landfill is included on the ERRIS List as a result of a Singer Company/Furniture Division notification for lacquer spray residue and lacquer spray sludge. Waste characterization for residue, sludge and filler scrappings outlined in a preceding paragraph for the Lenoir City Landfill is applicable. The landfill was closed in 1976. No further action is recommended for the Caldwell County Landfill on N. C. Highway 90 in Lenoir.

Five Singer Company/Furniture Division facilities were included on the ERRIS List via the Hazardous Waste Data Management System (HWDMS). Singer Company locations are listed above. According to the Singer Company Safety Engineering Manager, there has never been on-site burial or spills at any of the facilities. No further action is recommended for each of the Singer Company/Furniture Division Plants.

The SCM Corporation/Glidden Coatings and Resins Division notification involves a 1976 leak of 50,000 gallons of vinyl acetate after a spill of hydrochloric acid corroded an underground connecting pipe. Celanese Corporation owned the facility in 1976, which was purchased by SCM Corporation in 1977.

Celanese developed and implemented a remedial scheme, eventhough the property had been transferred to SCM. SCM contends that Celanese is responsible for remedial action and monitoring. The remedial plan has been plagued with problems, primarily related to the pumping well.

A 16 September 1980 status report indicates that water samples from the pump-out well and plant perimeter groundwater monitoring wells will be analyzed for organic contaminants and that results will be forwarded to N. C. Division of Environmental Management. DEM files contain monitoring data from July 1980 through May 1982 for biological and chemical oxygen demand, pH and heavy metals. Although the site has not been routinely monitored for priority pollutants, a 5 May 1980 Envirosience screening report shows the presence of benzene, toluene, 1,1-dichlorethane, 1,2-trans-dichloroethylene, methylene chloride and vinyl chloride. Whether the water sample was taken from the pumping well or monitoring well is unknown.

According to an SCM official in Ohio, SCM Corporation is preparing to file a complaint against Celanese Corporation. Due to impending litigation, SCM will not release information on the site to the N. C. Solid and Hazardous Waste Management Branch, or to the N. C. Division of Environmental Management.

The extent and source of soil and groundwater contamination is unknown. Laboratory analysis indicates there are sources of contamination in addition to the 1976 vinyl acetate leak. Notwithstanding the agreement with the N.C. Division of Environmental Management, a workable remedial action plan and monitoring program has not been implemented. A medium priority assessment is recommended for the SCM Corporation/Glidden Coatings and Resins.

Everhart Lumber Company was a wood treatment facility which ceased operation at the death of the owner in 1979. On 18 March 1983 vandals opened the valve to the tank and a mixture of pentachlorophenol and fuel oil flowed into a ditch leading to a drainage ditch along Hwy 70. Everhart family members pumped the mixture back into the tank during the three weeks following the spill.

On 14 March 1984 an EPA emergency response team from Edison, N. J. took sixteen (16) soil samples. Recommendations for remedial action and monitoring will be developed by EPA on scene coordinator Sue Fields based on laboratory analysis. A low priority assessment is recommended.

On 27 March 1984 the Department of Human Resources the Solid and Hazardous Waste Management Branch Chief O. W. Strickland, Senior Hazardous Waste Environmental Engineer William Meyer and 3012 Personnel reviewed each of the subject sites along with Natural Resources and Community Development Department representatives from the Water and Air Quality and Groundwater Sections. Each of the subject site recommendations was approved by the committee.

If you have any questions, please contact me.

Sincerely,



Lee Crosby, Chemist

Solid & Hazardous Waste Management Branch
Environmental Health Section

LC:jj
cc: O. W. Strickland
Bill Meyer
Jay Sauber
Arthur Mouberry
Dennis Ramsey
Bill McClelland

Attachments



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

| I. IDENTIFICATION | |
|-------------------|----------------|
| 01 STATE | 02 SITE NUMBER |
| NC | NCD072012354 |

II. SITE NAME AND LOCATION

| | | | | | |
|--|----------------|--|-----------------------|-----------------------|--------------------|
| 01 SITE NAME (Legal, common, or descriptive name of site) The Singer Company/ Furniture Division, Washington | | 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER State Road 1175 | | | |
| 03 CITY Chocowinity | 04 STATE NC | 05 ZIP CODE 27817 | 06 COUNTY Beaufort | 07 COUNTY CODE 007 | 08 CONG DIST 01 |
| 09 COORDINATES LATITUDE 3 5 3 1 0 0 0 | | LONGITUDE 0 7 7 0 6 0 0 0 | | | |

10 DIRECTIONS TO SITE (Starting from nearest public road)
Travel approximately 3 miles south on hwy 17 from Washington, N. C. towards Chocowinity. The Singer facility is located on the right.

III. RESPONSIBLE PARTIES

| | | | | | |
|--|----------------|--|---------------------------------------|--|--|
| 01 OWNER (if known) The Singer Company Furniture Division Washington | | 02 STREET (Business, mailing, residential) Post Office Box 1627 | | | |
| 03 CITY Washington | 04 STATE NC | 05 ZIP CODE 27889 | 06 TELEPHONE NUMBER (919) 946-5165 | | |
| 07 OPERATOR (if known and different from owner) | | 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: ____/____/____ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply)
 YES DATE ____/____/____ A. EPA B. EPA CONTRACTOR C. STATE D. OTHER CONTRACTOR
 NO E. LOCAL HEALTH OFFICIAL F. OTHER: _____ (Specify)
 CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one) 03 YEARS OF OPERATION
 A. ACTIVE B. INACTIVE C. UNKNOWN 1950 UNKNOWN
 RCRA facility BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
 The Singer Company is included on ERRIS via HWDMS which contains information on generators, transporters and TDS facilities. The Part A permit application does not report any inactive TDS sites at the facility and a 27 February 1984 letter from the Singer Safety Engineer states that there is no landfill on the property.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
 Available EPA records, DHS files and company records do not indicate the presence of a hazardous waste site on Singer property or a potential hazard to the environment or population.

V. PRIORITY ASSESSMENT

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

VI. INFORMATION AVAILABLE FROM

| | | |
|--|---|--|
| 01 CONTACT Dick McDonald | 02 OF (Agency/Organization) The Singer Company | 03 TELEPHONE NUMBER (704) 728-6741 |
| 04 PERSON RESPONSIBLE FOR ASSESSMENT O. W. Strickland | 05 AGENCY DHS | 06 ORGANIZATION Solid & Haz. Waste Mgt. Br. |
| | 07 TELEPHONE NUMBER (919) 733-2178 | 08 DATE 3 / 12 / 84 MONTH DAY YEAR |

SINGER
FURNITURE

P. O. Box 1588
Lenoir, North Carolina 28645

February 27, 1984

Ms. Lee Crosby, Chemist
Department of Human Resources
Solid & Hazardous Waste Management Branch
Environmental Health Section
P. O. Box 2091
Raleigh, N.C. 27602-2091



Dear Ms. Crosby:

Subject: The Singer Company
Furniture Division
-Bryson City Plant, NCD098765506
-Plant No. 1, NCD000604330
-Plants 3, 4 & MH, NCD000604322
-Plants 5, 6, 7 & CWH, NCD062568035
-Washington Plant, NCD072012354
-Sanford Plant, NCD053490462
CERCLA NOTIFICATION

This information is in response to your recent request regarding the Cercla Notification of the subject locations.

Of the six locations referenced, may I say, only one, i.e., Plants 3, 4, and M.H., NCD000604322, has a former landfill site on the property. Each of the other five (5) locations do not have a landfill site on the property, but sent waste finishing material to county and/or city landfills. The directions I will be giving you in Item No. 5, following, will be on the Plant No. 3 property only.

Also, it is important to note that the Plant No. 3 site began as a Caldwell County and Lenoir City landfill in the 1950's. The property was purchased by Kent Coffey Furniture Company and Plant No. 3 was constructed in the early 1960's. The landfill then continued to serve only Kent Coffey. The property was transferred to Magnavox in the late 1960's and then to Singer in 1973. The plant on the property continued to use the landfill on the same property through the 1960's and 1970's. Furniture finishing

materials were no longer put into the landfill after 1976, although the landfill continued to be used for the various furniture trash such as furniture pieces, cartons, sawdust and the like. All use of the fill was discontinued in 1981.

Following is the information requested in your letter.

1. Safety Data Sheets -

Enclosed you will find a detailed waste characterization study done for our Part B permitting of the Plant No. 3 location. It will provide information on all of the finishing material used at the six referenced locations, since all plants use basically identical finishing material.

2. Quantities -

This can only be estimated based upon what we dispose of now in an average year, further adjusted downward due to lesser production needs, more conservative use of finishing materials prior to 1976, and lack of use of a high liquid waste producing print line prior to 1966. The figure given is a total solid and liquid waste in tons over the producing life of the facility up until 1976, at which time landfilling of hazardous wastes was discontinued.

| Plant | Total Hazardous Wastes in Tons |
|-----------------------------------|-----------------------------------|
| Bryson City | 465 |
| Lenoir No. 1 | 1,113 |
| Lenoir Nos. 3, 4 & MH | 280 |
| Lenoir Nos. 5, 6, 7 & CWH | 563 |
| Sanford Plant | 795 |
| Washington Plant (Chocowinity) | 465 |

3. Physical Condition -

The hazardous waste tonnage in No. 2 above took the form of solid finish material scrappings (from spray booth walls and floors), which would be in a dry dust and chip form, and liquid solvent wastes which are from clean-up operations

Page #3
Ms. Lee Crosby
February 27, 1984

with nonhalogenated hydrocarbons and in a 5% water, 20% solid and 75% solvent mixture. Solid and liquid wastes are collected separately.

4. Disposal Procedures -

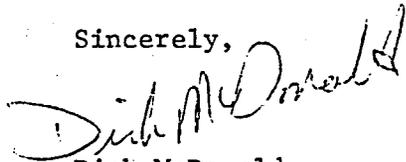
From discussions with persons involved with this type disposal during the period prior to 1976, the waste (both solid and liquid) was placed into 55 gallon drums and 5 gallon cans for transporting to the landfills. At the landfill it was either dumped out of the drums or cans onto the ground, or placed into the landfill in the drum or can if the container condition was poor. Some solid waste was also placed into cardboard containers and landfilled with the box.

5. Site Location -

The site on which is located the former landfill area is Plant No. 3 (NCD000604322). This site is located at 904 Virginia Street, S.W., Lenoir. Enclosed is a copy of the Lenoir City map, showing site location.

This information should supply you with all you need. If, however, you need additional information, please contact me.

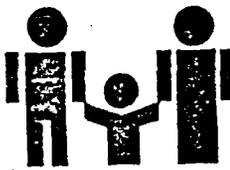
Sincerely,



Dick McDonald
Safety Engineering Manager

bs

Enclosures



Levine

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

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

February 7, 1984

Mr. Richard McDonald
Engineer
Singer Furniture Company
Post Office Box 1588
Lenoir, North Carolina 28645

RE: Singer Furniture Company

| | |
|--------------|-------------|
| NCD098765506 | Bryson City |
| NCD000604330 | Lenoir |
| NCD000604322 | Lenoir |
| NCD053490462 | Sanford |
| NCD072012354 | Chocowinity |
| NCD062568035 | Lenoir |

Dear Mr. McDonald:

This is to confirm our 6 February 1984 telephone conversation when we discussed Singer Furniture Company's 103(c) CERCLA notification to EPA. As requested I have enclosed ERRIS listings for Singer Furniture Company.

In summary I hope to receive from you pertinent safety data sheets and information regarding the quantities of materials discarded at each site, as well as the physical condition of the material and the procedures followed when the materials were discarded. I would also appreciate your including directions to each referenced Singer site.

This information will facilitate the processing of your company's file through the 3012 Program. If you have any questions, please contact me. I look forward to working with you on this project.

Sincerely,

Lee Crosby

Lee Crosby, Chemist

Solid & Hazardous Waste Management Branch
Environmental Health Section

LC:jj

Beaufort County



SINGER
FURNITURE

P. O. Box 1588
Lenoir, North Carolina 28645

November 8, 1983

Mr. Keith Lawson
Solid and Hazardous Waste Management Branch
Division of Health Services
P. O. Box 2091
Raleigh, North Carolina 27602

Subject: The Singer Company
Furniture Division
Washington Plant
Chocowinity, N. C.
NCD072012354

Dear Mr. Lawson:

This facility is not operating as a hazardous waste treatment, storage and disposal (TSD) facility. Therefore, we do not wish to submit a Part B application.

We understand that we may continue operation as a generator of hazardous waste at the subject facility.

Sincerely,

A handwritten signature in cursive script that reads "G. L. Sykes".

Gerald L. Sykes
Vice President/Controller

GLS/ew

cc: Dana Crump
R. J. McDonald
Mike Matthews
Wayne Melton

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



*WMP
2/9/83*

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

DIVISION OF HEALTH SERVICES
EASTERN REGIONAL OFFICE
404 St. Andrews Street
Greenville, N.C. 27834
(919) 756-1343



February 7, 1983

TO: O.W. Strickland, Head
Solid and Hazardous Waste Management Branch

FROM: *FJW* Fred J. Wood
Eastern Regional Office

RE: RCRA Inspection
The Singer Company Furniture Division
P.O. Box 1627
Washington, NC
EPA ID# NCD072012354
Contact: W. Wayne Melton, Safety Director
(919) 946-5165

*Hold for
Fred's
"IN-comp"
letter
Co. got into
comp. prior
to rec.
N.O.V.*

*Debbie,
Enter insp. d
comp. date only*

An RCRA inspection was conducted on January 31, 1983 at the Singer Company Furniture Division. Mr. W. Wayne Melton, Plant Safety Director is responsible for RCRA standards at this facility. The following violations were found.

1. Failure to put accumulation date on containers. 262.34 (A2)
2. Condition of storage containers. Waste must be transferred from one (1) leaking container and several rusty containers. 265.171

The following compliance schedule was agreed upon between Mr. Melton and myself. ✓

1. Leaking container was positioned to prevent leaking until transfer could be made. 265.171
2. Waste would be transferred from rusty container on or before February 15, 1983.

sle



RCRA Inspection Report

1. Facility Information

The Singer Company Furniture Division
P.O. Box 1627
Washington, NC
Beaufort County
EPA ID# NCD072012354

2. Responsible Officials

Clarence Edwards
W. Wayne Melton
(919) 946-5165

3. Survey Participants

Fred J. Wood, Division of Health Services
W. Wayne Melton, Safety Director

4. Date of Inspection

January 31, 1983

5. Applicable Regulations

No Change

6. Purpose of Survey

No Change

7. Facility Description

The Singer Company is located off Hwy 33 near Chocowinity, NC. They manufacture furniture case goods including bedroom, dining room, living room, and sewing machine cabinets. This process involves machining, sanding, assembly and finishing.

Their hazardous waste is both liquid and solids. This consists of paint, paint thinners, spent solvents, sanding material and spray booth clean-up material. The liquid waste is pumped out of 55 gallon drums into a tanker truck by the Oldover Corp., Route 1, Cascade, VA. The solid waste consist of material clean-up from finishing and spray booths. This waste is put in plastic bags and then stored in 55 gallon drums. This waste is then shipped to the Singer Company in Lenoir, North Carolina for incineration.

8. Documentation of Site Deficiencies

1. Failure to put accumulation date on containers. 262.34(A2)
2. Condition of storage containers. Waste must be transferred from one (1) leaking container and several rusty containers. 265.171

9. Compliance Schedule

February 15, 1983

RCRA INSPECTION FORM

Singer Co. Furniture Div. Wadwin. N.C. DO7 2012354 Beaufort
 Name of Site EPA I.D. County
Mill Road, P.O. Box 130 Chocowinity, N.C. 28520
 Location Inspection Date Jan. 28, 1983 Signature of Inspector(s) Jed Wood

Compliance Date _____

Signature of Facility Contact W. Wayne Melton

INSTRUCTIONS: Place a check to indicate Compliance (C), NonCompliance (NC) or Not Applicable (NA). Cite specific violation by Section No.

GENERATOR STANDARDS (262.00)

| | C | NC | NA | Violation(s) |
|---|-------------------------------------|-------------------------------------|--------------------------|--------------|
| 1. GENERAL (.10-.12) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. THE MANIFEST (.20-.23) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. PRE-TRANSPORT REQUIREMENTS (.30-.34) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 262.34(a) 2 |
| 4. RECORDKEEPING/REPORTING (.40-.43) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5. SPECIAL CONDITIONS (.50-.51) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

TRANSPORTER STANDARDS (263.00)

| | | | | |
|---|--------------------------|--------------------------|-------------------------------------|--|
| 1. GENERAL (.11-.12) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 2. MANIFEST/RECORDKEEPING (.20-.22) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. HAZARDOUS WASTE DISCHARGES (.30-.31) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

TSDF STANDARDS (265.00)

| | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|---------|
| 1. GENERAL (.1-.4) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. GENERAL FACILITY STANDARDS (.10-.17) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. PREPAREDNESS AND PREVENTION (.30-.37) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES (.50-.56) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING (.70-.77) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 6. GROUND-WATER MONITORING (.90-.94) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 7. CLOSURE AND POST-CLOSURE (.110-.120) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 8. FINANCIAL REQUIREMENTS (.140-.145) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 9. USE AND MANAGEMENT OF CONTAINERS (.170-.177) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 265.171 |
| 10. TANKS (.190-.199) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 11. SURFACE IMPOUNDMENTS (.220-.230) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 12. WASTE PILES (.250-.257) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 13. LAND TREATMENT (.270-.282) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 14. LANDFILLS (.300-.315) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 15. INCINERATORS (.340-.351) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 16. THERMAL TREATMENT (.370-.382) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 17. CHEM., PHYS./BIO. TREATMENT (.400-.406) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 18. UNDERGROUND INJECTION (.430) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

RCRA STATUS

GENERATOR TRANSPORTER TREATER STORER DISPOSER

IMMINENT HAZARD: YES NO



STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JAMES B. HUNT, JR.
GOVERNOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091

Raleigh 27602

~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~

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

January 20, 1982

Singer Furniture
Box 5337
Roanoke, VA 24012

Attn: Ollie Farnam

Gentlemen:

We have processed and accepted at the state level your request to be deleted from the RCRA system as a:

- Generator
 - Transporter
 - Storer
 - Treater
 - Disposer
- CHANGE TO SMALL GENERATOR*

Cordially yours,

O. W. Strickland
O. W. Strickland, Head
Solid and Hazardous Waste Management

cc file

SINGER
FURNITURE

#4889

P. O. BOX 5337
ROANOKE, VA. 24012

January 4, 1982



*DELETE
STORAGE*

N. C. Dept. of Human Resources
Div. of Health Services
Environmental Health Section
P. O. Box 2091
Raleigh, NC 27602

Attn: Mr. Terry Dover

Subject: Hazardous Waste Storage - NCD072012354 - Singer,
Chocowinity, NC

Dear Mr. Dover:

When we filed the EPA forms for inter status in November, 1980, we indicated our intentions to be a storer of hazardous waste on Form 3 of that application.

It is now apparent that this facility need only comply with those regulations which pertain to generators of hazardous waste. Would you, therefore, please ammend your records to show the Singer Plant at Chocowinity as a generator only.

Thank you for your assistance in this matter.

Sincerely,

Ollie Farnam
Division Engineer

gw

cc: C. Edwards
B. Nelson
D. McDonald

cc file



UCD 072012354

STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

P. O. Box 2091

Raleigh 27602

JAMES B. HUNT, JR.
GOVERNOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

XXXXXXXXXXXX
XXXXXX

Ronald H. Levine, M.D.
Acting Director

October 30, 1981

Mr. Clarence Edwards
The Singer Company
Furniture Division
P.O. Box 1627
Washington, NC 27889

Dear Mr. Edwards:

On October 6, 1981, Mr. Fred Wood of the Solid and Hazardous Waste Management Branch conducted a RCRA inspection of your facility. The following violations were noted:

1. Failure to put accumulation date on containers. (262.34(A3))
2. No personnel training records on file. (265.16)
3. No arrangement with local authorities. (265.37)

A compliance date of November 20, 1981 was established.

If you have any questions concerning this matter, please contact Mr. William Paige, Environmental Chemist, at (919) 733-2178.

Sincerely,

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

OWS:nlc

cc: Mr. Fred Wood

RCRA INSPECTION REPORT

1. Facility Information

The Singer Co. Furniture Division Washington
P.O. Box 1627
Washington, NC
Beaufort County
NCD072012354

2. Facility Contact

Clarence Edwards
(919) 946-5165

3. Survey Participants

Fred J. Wood, District Sanitarian

4. Date of Inspection

October 6, 1981

5. Applicable Regulations

40 CFR Parts 262 and 265 May 17, 1980

6. Purpose of Survey

RCRA Status Inspection including review of records, site survey and sampling procedures. Regulatory requirements covered included those contained in 40 CFR parts 262 and 265.

7. Facility Description

The Singer Company is located off Hwy 33 near Chocowinity, NC. They manufacture and finish furniture. (See part A application)

According to Mr. Clarence Edwards, Plant Manager they plan to ship their waste before the ninety (90) day limit but will maintain their generator permit number.

Their waste is both liquid and solids. This consists of paint, paint thinners, and a mixture of solvents, sanding material and spray booth clean-up material. Their liquid waste is picked up by the Oldover Corp., Route 1, Box 1, Cascade, VA (804) 685-3564.

The solid waste consists of material clean-up from finishing and spray booths. This waste is put in plastic bags and then in D.O.T. approved 55 gallon drums. All this waste is shipped to the Singer Company in Lenoir, NC for incineration. (You may want to check this out.)

8. Documentation of Site Deficiencies

1. Failure to put accumulation date on containers. (262.34(A3))
2. No personnel training records on file. (265.16)
3. No arrangement with local authorities. (265.37)

9. Recommendations

It is recommended the facility take immediate action in complying with the above deficiencies.

10. Compliance Schedule

All above deficiencies must be corrected on or before November 20, 1981

INSPECTION FORM FOR INTERIM STATUS STANDARDS FOR
OWNER/OPERATOR OF HAZARDOUS WASTE MANAGEMENT
FACILITIES

The Singer Company *N.C. D072012354* *Beaufort*
 Name of Site EPA I.D. County
SR 1175 Chocowinity *Shirley Edwards*
 Location Signature of Facility Contact
10-6-81 *Jedgwood*
 Date Signature of Inspector(s)

INSTRUCTIONS: Place a check to indicate Compliance (C), NonCompliance (NC) or Not Applicable (NA). Cite specific violation by Section No.

| | C | NC | NA | Violation(s) |
|--|---|----|----|-------------------|
| 1. GENERAL <i>Accumulation Time</i> | | ✓ | | <i>262.34(A3)</i> |
| 2. GENERAL FACILITY STANDARDS | | ✓ | | <i>265.16</i> |
| 3. PREPAREDNESS AND PREVENTION | ✓ | ✓ | | <i>265.37</i> |
| 4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES | ✓ | | | |
| 5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING | ✓ | | | |
| 6. GROUND-WATER MONITORING | | | ✓ | |
| 7. CLOSURE AND POST-CLOSURE | | | ✓ | |
| 8. FINANCIAL REQUIREMENTS | | | ✓ | |
| 9. USE AND MANAGEMENT OF CONTAINERS | ✓ | | | |
| 10. TANKS | | | ✓ | |
| 11. SURFACE IMPOUNDMENTS | | | ✓ | |
| 12. WASTE PILES | | | ✓ | |
| 13. LAND TREATMENT | | | ✓ | |
| 14. LANDFILLS | | | ✓ | |
| 15. INCINERATORS | | | ✓ | |
| 16. THERMAL TREATMENT | | | ✓ | |
| 17. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT | | | ✓ | |
| 18. UNDERGROUND INJECTION | | | ✓ | |

Imminent hazard YES NO
 () (4)

ENVIRONMENTAL PROTECTION AGENCY



GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

EPA I.D. NUMBER:

F N C D 0 7 2 0 1 2 3 5 4

GENERAL LABEL ITEMS

II EPA I.D. NUMBER: 072012354

III FACILITY NAME: THE SINGER CO FURNITURE DIV WASHINGTON

IV FACILITY MAILING ADDRESS: P.O. BOX 1627 WASHINGTON

V FACILITY LOCATION: BEAUFORT CHOCOUNTY N.C.

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully. If any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label specifies the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B) which must be completed regardless. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

III POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through I to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parentheses following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also Section II of the instructions for definitions of bold-faced terms.

| SPECIFIC QUESTIONS | MARK "X" | | | SPECIFIC QUESTIONS | MARK "X" | | |
|---|----------|----|---------------|--|----------|----|---------------|
| | YES | NO | FORM ATTACHED | | YES | NO | FORM ATTACHED |
| A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A) | | X | | B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B) | | | X |
| C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C) | | X | | D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D) | | | X |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) | X | | YES | F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing within one quarter mile of the well bore underground sources of drinking water? (FORM 4) | | | X |
| G. Do you or will you inject at this facility any product water or other fluids which are brought to the surface in connection with conventional oil or natural gas production; inject fluids used for enhanced recovery of oil or natural gas; or inject fluids for storage of liquid hydrocarbons? (FORM 4) | | X | | H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in-situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4) | | | X |
| I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) | | X | | J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) | | | X |

III: NAME OF FACILITY

1 SKIP THE SINGER CO FURNITURE DIV WASHINGTON

IV: FACILITY CONTACT

A: NAME & TITLE (last, first, & title) Z EDWARDS CLARENCE

B: PHONE (area code & no.) 919 946 5165

V: FACILITY MAILING ADDRESS

A: STREET OR P.O. BOX 3 P.O. BOX 1627

B: CITY OR TOWN WASHINGTON

C: STATE NC

D: ZIP CODE 27889

VI: FACILITY LOCATION

A: STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER 5 S. R. 1175

B: COUNTY NAME BEAUFORT

C: CITY OR TOWN CHOCOUNTY

D: STATE NC

E: ZIP CODE

F: COUNTY CODE (if known)

CONTINUED FROM THE FRONT

II. SIC CODES (4-digit, in order of priority)

| | | | |
|----------------------|-------------------------------|-----------|-----------|
| A. FIRST | | B. SECOND | |
| 2, 5, 1, 1 (specify) | Wooden Furniture (Case Goods) | (specify) | (specify) |
| C. THIRD | | D. FOURTH | |
| (specify) | (specify) | (specify) | (specify) |

III. OPERATOR INFORMATION

| | | |
|--------------------|--|---|
| A. NAME | | B. Is the name listed in Item VIII-A above? |
| THE SINGER COMPANY | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

| | | |
|--|--|----------------------------|
| C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box. If "Other" specify) | | D. PHONE (area code & nos) |
| FEDERAL | M - PUBLIC (other than federal or state) | 203 356 4200 |
| STATE | O - OTHER (specify) | |
| PRIVATE | P (specify) | |

| | | | | |
|-----------------------|-----------------|----------|-------------|---|
| E. STREET OR R.O. BOX | F. CITY OR TOWN | G. STATE | H. ZIP CODE | I. INDIAN LAND |
| 10 STAMFORD FORUM | STAMFORD | CT | 06904 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

| | |
|--|--|
| EXISTING ENVIRONMENTAL PERMITS | |
| J. NPDES (Discharges to Surface Waters) | K. PSD (Air Emissions from Proposed Sources) |
| N | |
| L. UIC (Underground Injection of Fluids) | M. OTHER (specify) |
| III | (specify) |
| N. RCRA (Hazardous Waste) | O. OTHER (specify) |
| 9 | (specify) |

MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

IV. NATURE OF BUSINESS (provide a brief description)

Manufacturer of furniture case goods, (dining room, bedroom and living room) including rough end, machining, sanding, assembly, finishing and warehousing.

V. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| | | |
|--|-----------------------|----------------|
| A. NAME & OFFICIAL TITLE (type or print) | B. SIGNATURE | C. DATE SIGNED |
| Don Wise - Vice President of Mfg. | <i>Joseph A. Wise</i> | 11-12-80 |

VI. COMMENTS FOR OFFICIAL USE ONLY



ENVIRONMENTAL PROTECTION AGENCY
 HAZARDOUS WASTE PERMIT APPLICATION
 Consolidated Permits Program
 (This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | N | C | D | 0 | 7 | 2 | 0 | 1 | 2 | 3 | 5 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

FOR OFFICIAL USE ONLY

| APPLICATION APPROVED | DATE RECEIVED (yr., mo., & day) | COMMENTS |
|----------------------|---------------------------------|----------|
| 23 | 24 | 25 |

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION - (place an "X" below and provide the appropriate date)

1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED. (use the boxes to the left)

| YR. | MO. | DAY |
|-----|-----|-----|
| 80 | 11 | 01 |

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN.

| YR. | MO. | DAY |
|-----|-----|-----|
| | | |

B. REVISED APPLICATION - (place an "X" below and complete item I above)

1. FACILITY HAS INTERIM STATUS

2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

| PROCESS | PRO-CESS CODE | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY | PROCESS | PRO-CESS CODE | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY |
|--------------------------------|----------------------|--|---|----------------------|--|
| Storage: | | | Treatment: | | |
| CONTAINER (barrel, drum, etc.) | S01 | GALLONS OR LITERS | TANK | T01 | GALLONS PER DAY OR LITERS PER DAY |
| TANK | S02 | GALLONS OR LITERS | SURFACE IMPOUNDMENT | T02 | GALLONS PER DAY OR LITERS PER DAY |
| WASTEPILE | S03 | CUBIC YARDS OR CUBIC METERS | INCINERATOR | T03 | TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR |
| SURFACE IMPOUNDMENT | S04 | GALLONS OR LITERS | OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.) | T04 | GALLONS PER DAY OR LITERS PER DAY |
| Disposal: | | | | | |
| INJECTION WELL | D79 | GALLONS OR LITERS | | | |
| LANDFILL | D80 | ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER | | | |
| LAND APPLICATION | D81 | ACRES OR HECTARES | | | |
| OCEAN DISPOSAL | D82 | GALLONS PER DAY OR LITERS PER DAY | | | |
| SURFACE IMPOUNDMENT | D83 | GALLONS OR LITERS | | | |
| UNIT OF MEASURE | UNIT OF MEASURE CODE | UNIT OF MEASURE | UNIT OF MEASURE | UNIT OF MEASURE CODE | UNIT OF MEASURE |
| GALLONS | G | LITERS PER DAY | V | ACRE-FEET | A |
| LITERS | L | TONS PER HOUR | D | HECTARE-METER | F |
| CUBIC YARDS | Y | METRIC TONS PER HOUR | W | ACRES | B |
| CUBIC METERS | C | GALLONS PER HOUR | E | HECTARES | C |
| GALLONS PER DAY | U | LITERS PER HOUR | H | | |

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

| LINE NUMBER | A. PRO-CESS CODE (from list above) | B. PROCESS DESIGN CAPACITY | | FOR OFFICIAL USE ONLY | LINE NUMBER | A. PRO-CESS CODE (from list above) | B. PROCESS DESIGN CAPACITY | | FOR OFFICIAL USE ONLY |
|-------------|------------------------------------|----------------------------|---------------------------------|-----------------------|-------------|------------------------------------|----------------------------|---------------------------------|-----------------------|
| | | 1. AMOUNT (specify) | 2. UNIT OF MEASURE (enter code) | | | | 1. AMOUNT | 2. UNIT OF MEASURE (enter code) | |
| X-1 | S 0 2 | 600 | G | | 5 | | | | |
| X-2 | T 0 3 | 20 | E | | 6 | | | | |
| 1 | S 0 1 | 4400 | G | | 7 | | | | |
| 2 | | | | | 8 | | | | |
| 3 | | | | | 9 | | | | |
| | | | | | 10 | | | | |

PROCESSES (continued)

SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES () FOR EACH PROCESS ENTERED HERE
 INCLUDE DESIGN CAPACITY.

DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D; enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

| ENGLISH UNIT OF MEASURE | | CODE | METRIC UNIT OF MEASURE | | CODE |
|-------------------------|--|------|------------------------|--|------|
| POUNDS | | P | KILOGRAMS | | K |
| TONS | | T | METRIC TONS | | M |

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:

For listed hazardous wastes: For each listed hazardous waste entered in column A, select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER: — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

SAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

| LINE NO. | A. EPA HAZARDOUS WASTE NO. (enter code) | B. ESTIMATED ANNUAL QUANTITY OF WASTE | C. UNIT OF MEASURE (enter code) | D. PROCESSES | |
|----------|---|---------------------------------------|---------------------------------|--------------------------|---|
| | | | | 1. PROCESS CODES (enter) | 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) |
| 1 | K 0 5 4 | 900 | P | T 0 3 D 8 0 | |
| 2 | D 0 0 2 | 400 | P | T 0 3 D 8 0 | |
| 3 | D 0 0 1 | 100 | P | T 0 3 D 8 0 | |
| 4 | D 0 0 2 | | | | included with above |

7. DESCRIPTION OF HAZARDOUS WASTES (continued)

USE THIS SPACE TO LIST ADDITIONAL ACCESS CODES FROM ITEM D(1)

| | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|-----|---|
| EPA ID NO. (enter from page 1) | | | | | | | | | | | | | |
| N | C | D | 0 | 7 | 2 | 0 | 1 | 2 | 3 | 5 | 4 | T/A | C |
| | | | | | | | | | | | 6 | | |

FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

I. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures, existing storage, treatment and disposal areas, and sites of future storage, treatment or disposal areas (see instructions for more detail).

II. FACILITY GEOGRAPHIC LOCATION

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|
| LATITUDE (degrees, minutes, & seconds) | | | | | | LONGITUDE (degrees, minutes, & seconds) | | | | | |
| 3 | 5 | 3 | 1 | 0 | 0 | 0 | 7 | 7 | 0 | 6 | 0 |
| | | | | | | | | | | | |

III. FACILITY OWNER

If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

| | | | | | | | |
|-----------------------------------|--|--|-----------------|--------------------------------|--------|--|-------------|
| 1. NAME OF FACILITY'S LEGAL OWNER | | | | 2. PHONE NO. (area code & no.) | | | |
| | | | | | | | |
| 3. STREET OR P.O. BOX | | | 4. CITY OR TOWN | | 5. ST. | | 6. ZIP CODE |
| | | | | | | | |

X. OWNER CERTIFICATION

certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| | | |
|-----------------------------------|--------------|----------------|
| A. NAME (print or type) | B. SIGNATURE | C. DATE SIGNED |
| Don Wise - Vice President of Mfg. | | 11-12-80 |

OPERATOR CERTIFICATION

certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| | | |
|-------------------------|--------------|----------------|
| A. NAME (print or type) | B. SIGNATURE | C. DATE SIGNED |
| | | 11-12-80 |