

290SERBSF10,616

290SERBSF10,616

Site Name (Subject): SINGER CO/AAF-MCQUAY

Site ID (Document ID): NCD057451270

Document Name (DocType): Correspondence (C)

Report Segment:

Description: General Correspondence, 1990 - 1999

Date of Document: 10/20/1999

Date Received:

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

Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

Print Report for Record

Go to New Blank Record

Go to New Record - (default to last record values)

Delete Record

SINGER COMPANY/AAF-MCQUAY

NCD 057 451 270

Folders

1. General Correspondence file, 1980—1999
2. FIT file, 1990



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This site has been archived from the inventory of active sites.

Site Name: SINGER CO INC
Street: 602 SUNNYVALE DR
City / State / ZIP: WILMINGTON, NC 28403

NPL Status: Not on the NPL
Non-NPL Status: Deferred to RCRA

EPA ID: NCD057451270
EPA Region: 04
County: NEW HANOVER

Federal Facility Flag: Not a Federal Facility

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Title	Name	Phone Number
Remedial Project Manager (RPM)	JON BORNHOLM	(404) 562-8820
Remedial Project Manager (RPM)	Luis Flores	(404) 562-8807
Remedial Project Manager (RPM)	KEN LUCAS	(404) 562-8953
Remedial Project Manager (RPM)	KEN MALLARY	(404) 562-8802
Remedial Project Manager (RPM)	MICHAEL TOWNSEND	(404) 562-8813
Remedial Project Manager (RPM)	SAMANTHA URQUHART F	(404) 562-8760
Remedial Project Manager (RPM)	Phil Vorsatz	(404) 562-8789
Site Assessment Manager (SAM)	Jennifer Wendel	(404) 562-8799

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Superfund Site Information

SINGER CO INC

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<u>OU</u>	<u>Action Name</u>	<u>Qualifier</u>	<u>Lead</u>	<u>Actual Start</u>	<u>Actual Completion</u>
00	DISCOVERY		F		08/01/1980
00	PRELIMINARY ASSESSMENT	L	S		12/09/1985
00	SITE INSPECTION	D	F		12/30/1991
00	ARCHIVE SITE		EP		12/23/1996

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



Site Name Singer Co. (aka Heatcraft or AAF - McQuay)
Site Address 602 Sunnyvale Dr.
Site City Wilmington
County New Hanover
NCD# NCD 057 451 ~~510~~ 270

Contact Name Tom Walker
Contact Number Haz. Waste Section

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 remaining threat posed by this site. I also called the above contact. Following is a summary of the current site status.

RCRA-lead site. Groundwater remediation system operational. During heavy rains, system was shut down, but is up and running again. Site never flooded.

Federal

Trip Notification & Authorization

Prepared by: David Lilley

Today's Date: 1-29-90

Site Trip

Date of Trip: 2-12 to 2-14, 1990

If trip date changed or cancelled note below:

Trip Date Changed To: _____ Cancelled: _____

NCD#: 057 451 270
City: Wilmington

Site Name: Singer Company, Inc.
County: New Hanover

Reason for Trip: offsite reconnaissance (EPA FIT)

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

(Please list appropriate County Health Department contact person to call to advise of trip)

Environmental Supervisor or Health Director to call: MS. Diane Harvell Title: Director of Env. Health
(Note if Dr., M.P., etc.)

Telephone Number: (919) 341 - 4191

Project Team Leader: Dale Trimpe

Assistants: _____

Authorized by: David B. Kelly
Industrial Hygienist

Attach To Notification Form: 4 copies each: Preliminary Assessment Form (First page only)
Notification Form
EPA Transmittal Letter

Staff Notification Procedures: Use Black Ink or Typewriter only*

1. This form goes to Data Management Coordinator (DMC) 10 days prior to trip
2. If date of trip changes - note change. Mark "X" if cancelled.
3. Day after trip, submit to Lee Crosby a short paragraph on site trip.

Notes: Health Department Official Contacted: Mr. Thomas Stich
Back Up Letter Required: Yes No

notified Mr. Stich on 1-30-90 DBL



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

30 January 1990

Ms. Diane Harvell
Health Director
New Hanover County Health Department
2029 South 17th street
P.O. Box 3785
Wilmington, NC 28406

RE: Off-site Reconnaissance
Singer Company, Inc. NCD 057 451 270

Dear Ms. Harvell:

David Lilley 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 Wilmington, NC. The reconnaissance will be conducted on 12-14 February 1990 by Dale Trimpe of NUS Corporation.

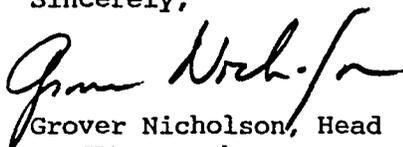
The purpose of the reconnaissance is to determine if the site poses a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The reconnaissance team will locate all nearby water supplies (surface and groundwater, community and private) 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 the reconnaissance team at the site. If so, please contact Dale Trimpe at 1-800-888-7710 and he will coordinate a meeting. I am enclosing background data on the site for your information.

Ms. Harvell
1-29-90
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 David Lilley or me at (919) 733-2801.

Sincerely,



Grover Nicholson, Head
CERCLA Branch
Superfund Section

GN/db/sitenot.doc

Enclosures

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



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

RECEIVED

JAN 29 1990

SUPERFUND SECTION

C-586-1-0-192

January 25, 1990

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

Subject: Scheduled FIT Activities in North Carolina

Dear Mr. Nicholson:

The EPA Field Investigation Team (FIT) will be visiting the state of North Carolina during February 1990. FIT will be conducting offsite reconnaissances and gathering information to investigate the following sites:

<u>Date</u>	<u>EPA ID No.</u>	<u>Site Name</u>	<u>County</u>	<u>FIT Project Manager</u>
Feb. 12-14	NCD003155587	Scott Aviation of Monroe	Union	Matt McCoy
	NCD000616516	Scovill Inc. Security Product	Union	Matt McCoy
	NCD981030836	Waxhaw Storage Tanks	Union	Matt McCoy
	NCD980729651	Southern Latex Corp.	Cabarrus	Brooke Bittinger
	NCD003152659	Reichold Chemical, Inc.	Cabarrus	Brooke Bittinger
Feb. 12-14	NCD980502991	Jacksonville Landfill	Onslow	Robert Rose
	NCD057451270	Singer Company, Inc.	New Hanover	Dale Trimpe
	NCD000773515	GA-Pacific Corp. Hardwood Sawmill	Duplin	Dale Trimpe
Feb. 12-14	NCD003167780	Sprague Electric Co.	Ashe	Eric Corbin
	NCD980557896	Wilkes Co. Municipal Landfill	Wilkes	Eric Corbin
	NCD003229358	SCM Proctor-Silex	Surry	Cliff Leonard
	NCD003464765	Vaughan-Bassett Furniture Co.	Surry	Cliff Leonard

Please notify the appropriate local agencies. I appreciate your help in this matter.

Very truly yours,

Approved:

Joan J. Dupont

Joan J. Dupont
 North Carolina Coordinator

[Signature]

JJD/tb

cc: Kelly Cain



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

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

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

27 November 1985

Ms. Denise Bland
EPA NC CERCLA Project Officer
Air and Hazardous Material Division
345 Courtland Street, N.E.
Atlanta, GA 30365

SUBJECT: Preliminary Assessment Report
Singer Co., Inc. NC D057451270
602 Sunnyvale Drive
Wilmington, NC 28403

Dear Ms. Bland:

Enclosed please find the Preliminary Assessment report for the subject site. This priority is based on review of available data.

The refrigeration coils division of Singer Co. including this plant, was bought in 1982 by Climate Control/McQuay. The plant was originally built in 1960 and American Standard produced cooling coils on the site until 1972. Tappan Industries bought the plant in 1972 and resold it to Singer Co. within a couple of weeks. Singer manufactured industrial refrigeration coils and some other refrigeration equipment until it sold the plant in 1982. Climate Control/McQuay continues to produce coils and has expanded the refrigeration equipment to include compressors, and other commercial units.

The plant is completely surrounded by a fence and access is controlled by guards 24 hr/day. The plant normally operates first and second shift.

A small amount of waste oil and paint are produced at the plant. The waste oil includes both lubricating oil and hydraulic oil. Plant personnel have reported to NC Division of Health Services regional personnel that these waste oils were disposed of by dumping on the north edge of the property in the past. Plant representatives presently report that the waste paint and oil are now stored outside in 55 gallon drums on an undiked concrete pad until they can be incinerated by Caldwell Systems.

Ms. Denise Bland

Page 2

The major hazardous waste generated at this site is 1,1,1-trichloroethane. Approximately 4,000 gal/quarter of 1,1,1-trichloroethane are shipped to Prillaman in Virginia for reclaiming. This 1,1,1-trichloroethane is stored in a 6,000 gallon above ground tank before shipment. The tank rests on an undiked concrete pad. In 1983 an estimated 400 to 500 gallons of 1,1,1-trichloroethane leaked from this storage tank. The tank has now been replaced and the old tank was disposed of in Pinewood, SC. Soil from the contaminated area was also disposed of in Pinewood.

There are 2 wells on the site. These wells are each over 100 feet deep and are used for cooling water for plant hydraulic systems. Wastewater from the plant is discharged to the Wilmington waste water system without pretreatment. On the northwest side of the property is an old septic tank which serves two rest rooms in the plant.

Because of past waste disposal practices and the potential for ground water and drinking water contamination a medium priority is assigned to this site.

On 26 November 1985, this Preliminary Assessment was reviewed by CERCLA Unit personnel and by the following representatives from the North Carolina Department of Natural Resources and Community Development, Division of Environmental Management: Doug Dixon, Groundwater Section; Glen Ross, Air Quality Section; and Howard Bryant, Water Quality Section.

If you have any questions, please call me at (919) 733-2178.

Sincerely,



Jack Butler, Environmental Engineer
Solid and Hazardous Waste Management Branch
Environmental Health Section

JB/tb/0210b



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D057451270

II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) Singer Co., Inc.	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 602 Sunnyvale Drive				
03 CITY Wilmington	04 STATE NC	05 ZIP CODE 28403	06 COUNTY New Hanover	07 COUNTY CODE 65	08 CONG DIST 7
09 COORDINATES	LATITUDE 34° 10' 33"	LONGITUDE 77° 56' 10"			
10 DIRECTIONS TO SITE (Starting from nearest public road) State Road 1119 turns to the west (right) off U.S. 421 South about 3.6 miles past the Cape Fear River bridge. The plant is on 1119 on the right about 0.6 miles from U.S. 421.					
III. RESPONSIBLE PARTIES					
01 OWNER (if known) Snyder General Corp. (Present Owner)		02 STREET (Business, mailing, residential) 3620 LTV Center, Lock Box 139, 2001 Ross Ave.			
03 CITY Dallas		04 STATE Tex.	05 ZIP CODE 75201	06 TELEPHONE NUMBER 214 979-3100	
07 OPERATOR (if known and different from owner) Climate Control Division (Present Operator)		08 STREET (Business, mailing, residential) 602 Sunnyvale Dr., P.O. Box 1649			
09 CITY Wilmington		10 STATE NC	11 ZIP CODE 28403	12 TELEPHONE NUMBER 919 791-8510	
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>08/18/80</u> <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103(e)) DATE RECEIVED: _____/_____/_____ MONTH DAY YEAR MONTH DAY YEAR <input type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____/_____/_____ <input checked="" type="checkbox"/> NO MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR: <u>1960</u> ENDING YEAR: <u>Present</u> <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Singer sold site to Climate Control/McQuay in 1982. American St. operated on site from 1960 to 1972. All 3 owners manufactured cooling coils and refriger. equipment. 400-500 gal. 1,1,1-trichloroethane spilled on Nov. 18, 1983.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Contaminated soil and leaking tank removed and shipped to SCA. Reports of dumping of waste oil and possibly waste solvents on north side of property in past. Two wells (> 100 ft.) for cooling water. City water and sewer with no pretreatment. Septic tank serves 2 rest rooms.					
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) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT Jeff Seal		02 OF (Agency/Organization) Climate Control/McQuay		03 TELEPHONE NUMBER (919) 791-8510	
04 PERSON RESPONSIBLE FOR ASSESSMENT Jack Butler/Pat DeRosa		05 AGENCY NC DHR/DHS	06 ORGANIZATION SHW Mgmt. - Br.	07 TELEPHONE NUMBER 919 733-2178	08 DATE 11, 14, 85 MONTH DAY YEAR



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

I. IDENTIFICATION
01 STATE NC 02 SITE NUMBER D057451270

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

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

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

01 M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (DATE: Nov. 18, 1983) POTENTIAL ALLEGED
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Approx. 400 to 500 gallons of 1,1,1-TCE lost from leaking tank and past waste oil disposal on site as discussed on previous page.

01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE: Nov. 18, 1983) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

Tank which leaked 1,1,1-TCE was near back edge of property.

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

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

Waste oil reportedly dumped on north side of property in past.

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

As previously sited.



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

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NC D057451270

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: <u>Unknown</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>Nov. 18, 1983</u>) 04 NARRATIVE DESCRIPTION Approx. 400 to 500 gallons of 1,1,1-trichloroethane (1,1,1-TCE) lost from leaking tank. Waste oil reportedly dumped on north side of property in past.	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: <u>Unknown</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>Nov. 18, 1983</u>) 04 NARRATIVE DESCRIPTION Unnamed small stream approximately 30 ft. from tank discussed in "Groundwater Contamination" section.	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION Presumed unlikely. 1,1,1-TCE is non-flammable.	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: <u>Unknown</u> <small>(Acres)</small>	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>Nov. 18, 1983</u>) 04 NARRATIVE DESCRIPTION Spill discussed above resulted in soil containing 3,000 ppm 1,1,1-TCE. This soil removed and shipped to SCA Services, Inc. in SC. Waste oil reportedly dumped on north side of property in past. Soil contained < 0.01 to 31.7 ppm TCE after cleanup.	<input type="checkbox"/> POTENTIAL	<input checked="" type="checkbox"/> ALLEGED
01 <input type="checkbox"/> G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED

ROAD CLASSIFICATION

- Primary highway, hard surface _____
- Secondary highway, hard surface _____
- Trails _____
- Light-duty road, hard or improved surface _____
- Unimproved road _____
- Interstate Route  U. S. Route  State Route 

**WILMINGTON QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES ORTHOPHOTOMAP (TOPOGRAPHIC)**

WILMINGTON, N. C.

N3407.5—W7752.5/7.5

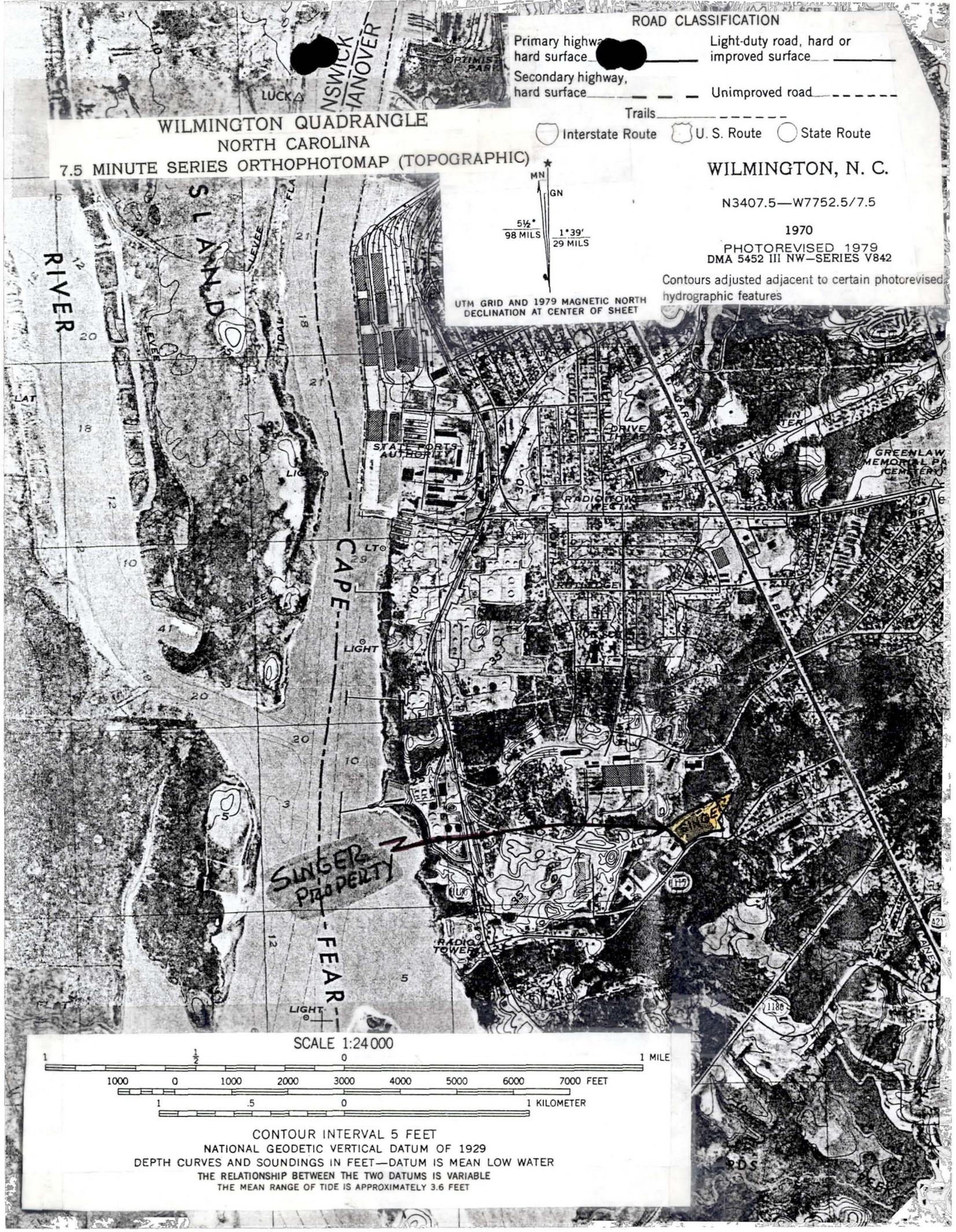
1970

PHOTOREVISED 1979
DMA 5452 III NW—SERIES V842

Contours adjusted adjacent to certain photorevised hydrographic features



UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



SINGER PROPERTY

CAPE FEAR

LIGHT

RADIO TOWER

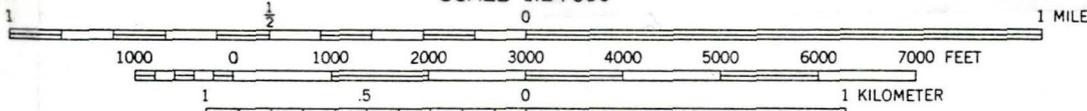
STATE PORTS AUTHORITY

RADIO TOWER

DRIVE

GREENLAW MEMORIAL PARK CENTER

SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
THE MEAN RANGE OF TIDE IS APPROXIMATELY 3.6 FEET



LAW & COMPANY
Consulting and Analytical Chemists

MAIN OFFICE
1711 Castle Street
Wilmington, N.C. 28402
919 762-7082
TWX 510-937-0280

RICHARD SPIVEY
President

RITA SPIVEY
Vice President

NOVEMBER 25, 1983

CLIMATE CONTROL
602 SUNNYVALE DR.
WILMINGTON, NC 28403
ATTN: MR. PHIL BURRIS

DATE COLLECTED: 11-22-83
DATE RECEIVED: 11-22-83
LAB ID# SW3091
COLLECTED BY: Customer

SAMPLE DESCRIPTION; SOIL SAMPLE

<u>TESTS</u>	<u>UNITS</u>	<u>RESULTS</u>
1-1-1 TRICHLOROETHANE	WT. %	0.30



CHEMIST

Dilly Bidwan

TOTAL CHARGES 75.00

Climate Control
New Haven

CLIMATE CONTROL
A UNIT OF SNYDER GENERAL CORPORATION

REFRIGERATION/COILS DIVISION

January 2, 1984



Mr. E. Lin Longshore
Safety, Health & Environmental Manager
SOUTH CAROLINA SCA SERVICES, INC.
Route 1, Box 255
Pinewood, South Carolina 29125

Dear Mr. Longshore:

Attached are the Hazardous Authorization Request Forms filled out by Law and Company to dispose of some hazardous material from our location.

As previously advised, on November 18, 1983 one of our Trichloroethane tanks sprang a leak of approximately four to five hundred gallons of Trichloroethane. Per the Environmental Health Section in Raleigh, NC, we have gathered up this soil and ran tests on it which are also attached. We will have Trash Removal Services of Wilmington move this material to your location in a bulk container when we receive the authority.

If any additional information is needed from us, please contact me as soon as possible.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Knowlton".

Donald Knowlton
Director, Manufacturing Operations

DK/jg

Attachments

cc: Ray Church ✓

SOUTH CAROLINA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL CONTROL
SOLID AND HAZARDOUS WASTE MANAGEMENT DIVISION
2400 BULL STREET, COLUMBIA, SC 29201
PHONE: (803) 738-5641



AUTHORIZATION REQUEST FORM

A. Generator Information:

(1) Name Climate Control Division (2) I.D. NUMBER NCD 057451270
Address P.O. Box 1649 City Wilmington State NC Zip 28402
Official Contact Donald Knowlton Title Director, Manufacturing Oper. Phone 791-8510

B. Treatment, Storage or Disposal Facility Information:

(1) Name S. C. SCA Services, Inc. (2) I.D. Number EPA No. SCD07-037-5985
Address Rt. 1 Box 55 City Pinewood State S.C. Zip 29125

C. Description of Hazardous Waste (1) Waste Code Number F002-001
Soil contaminated with Trichloroethane 111

(2) Waste Type SOIL SAMPLE (3) Process Producing Waste

(4) Method of Storage by Generator <u>Tank</u>	(5) Volume (pounds/year) <u>350,166</u>	(6) Frequency of Disposal <input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ___ Times per month <input type="checkbox"/> ___ Times per year Other (Specify) _____	(7) Packaging for Shipment <input type="checkbox"/> In Drums (size) _____ <input checked="" type="checkbox"/> In Bulk	(8) Method of Transportation <input type="checkbox"/> Railroad tanker <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Other (Specify) _____
---	--	---	---	---

MARK OR COMPLETE APPROPRIATE INFORMATION

Physical State of Waste @ 70°F <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Semisolid <u>Solid</u>	Viscosity @ 70°F <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <u>NA</u>	Layering <input checked="" type="checkbox"/> None <input type="checkbox"/> Bilayered <input type="checkbox"/> Multilayered	Specific Gravity @ 70°F <input type="checkbox"/> <0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 1.2-1.4 <input type="checkbox"/> 1.4-1.7 <input type="checkbox"/> >1.7 exact if known _____
Suspended Solids <input type="checkbox"/> <5% <input type="checkbox"/> 5-20% <input type="checkbox"/> >20% by <input type="checkbox"/> Weight <input type="checkbox"/> Volume Exact if known <u>NA</u>	Dissolved Solids by Weight <input type="checkbox"/> <5% <input type="checkbox"/> 5-20% <input type="checkbox"/> >20% Exact if known _____	Thousands of BTU's/lb <input type="checkbox"/> <1 <input type="checkbox"/> 1-5 <input type="checkbox"/> 5-9 <input type="checkbox"/> 9-12 <input type="checkbox"/> 12-16 <input type="checkbox"/> 16-20 Exact if known _____	
Flash Point (cc) <input type="checkbox"/> <60°F <input type="checkbox"/> 60-140°F <input type="checkbox"/> >140°F <input checked="" type="checkbox"/> None Exact if known <u>NA</u>	Organically Bound Sulfur (wt. %) <input type="checkbox"/> None <input type="checkbox"/> <0.5% <input type="checkbox"/> 0.5-5% <input checked="" type="checkbox"/> >5% Exact if known <u>NA</u>	Organically Bound Chlorine (wt. %) <input type="checkbox"/> None <input type="checkbox"/> <1% <input type="checkbox"/> 1-10% <input type="checkbox"/> 10-30% <input checked="" type="checkbox"/> >30% Exact if known <u>UNKNOWN</u>	
Organically Bound Nitrogen (wt. %) <u>NA</u>	Toxicity <input type="checkbox"/> High <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	Ash % <u>NA</u>	Affinity for Water <input checked="" type="checkbox"/> Hydrophilic <input type="checkbox"/> Lipophilic <u>NA</u>
Ph (if hydrophilic)			
Volatile Organics <u>(1-1-1 TRICHLORO- .3% ETHANE)</u>	%	%	%
Non Volatile Organics <u>SOIL</u>	%	%	%
Acids or Alkalis	%	%	%
Salts	%	%	%

Instructions for completing this form on reverse side.



TOTAL METALS

metallic (ppm)	<.1 ppm As	<16.0 ppm Ba	4.0 ppm Cd	ppm Cr+3	N.D. ppm Cr+6
	36.0 ppm Pb	<1.0 ppm Se	<2.0 ppm Ag	560 ppm Fe	12.0 ppm Mn
	1200 ppm Cu	208 ppm Zn	8.0 ppm Ni	<16 ppm Sb	<2.0 ppm Tc
	<20.0 ppm Ti	ppm	ppm	ppm	ppm
Cyanides, Pesticides, Carcinogens, other Toxics	ppm	ppm	ppm	ppm	ppm
Total Organic Carbon (TOC)		Water	Waste is not Compatible with		

Other Information

Hazardous Waste Characteristics

Corrosive
 Oxidizing
 Reactive
 Toxic
 Flammable

D. Certification

I hereby certify (or declare) that the information provided herein is complete and correct to the best of my knowledge. I am authorized to sign official documents for the Applicant in A above.

Date Submitted January 2, 1984
Signature Donald Knowlton Print Name Donald Knowlton
Title Director, Manufacturing Operations

Instructions for completing this Form on reverse side.

CLIMATE CONTROL

A UNIT OF SNYDER GENERAL CORPORATION

REFRIGERATION/COILS DIVISION

December 5, 1983

Mr. O.W. Strickland, Head
Solid Waste Management Branch
Environmental Health Section
Raleigh, N.C.

Dear Mr. Strickland:

On November 18, 1983 at approximately 1:30 pm we discovered that we had lost some Trichloroethane from one of our two storage tanks. The levels in our tanks are checked daily. We located the leak, plugged it and started cleaning up the area immediately. It is estimated that we lost 400 to 500 gallons of Trichloroethane.

The storage tanks are located at the back of our property and are approximately 30 feet from a small stream. We placed absorbant pads and absorbant booms in the stream. We called Kenan Transport to locate a tanker to remove the balance of the Trichloroethane from our storage tank.

We contacted the Solid Waste Management Branch, Environmental Health Section, Raleigh, N.C. and reported that we had a hazardous material spill. At that time your office advised us we would have to remove the soil where the spill occurred. We contacted Cape Country Backhoe and Trash Removal Services for a container; they both advised us they would be at our site the next morning, Saturday, November 19, 1983.

Mr. Ed Beck of the North Carolina Department of Natural Resources contacted us and advised he would be in to review the spill site. He arrived November 18, 1983, reviewed the site and action we were taking to clean up the spill. Mr. Ray Church of your office contacted us, reviewed our actions, and advised he would be in our Plant Monday morning. Saturday, November 19, 1983 we removed all the soil at the spill site under the supervision of Mr. Ed Beck and stored and sealed the container.



Mr. O.W. Strickland
December 5, 1983
Page 2

On Monday, November 21, 1983 Ray Church and Ed Beck visited our site, reviewed the actions we had taken, and took samples of the material. We also sent a sample to Law and Company for a Gasographic Test to determine the action to take in disposing of this material. On November 22nd Law and Company advised me that the soil sample contained .30 weight percent of Trichloroethane.

We have contacted SCA Services Inc. in South Carolina for removal of this material. Waste Management needs to fill out a Request for Authorization to dispose of the material and we will remove this material from our site as soon as possible. Presently, Law and Company is making tests to complete forms for SCA Services, Inc.

If any further action needs to be taken, please contact me.

Sincerely,



Donald Knowlton
Director, Manufacturing Operations

DK:lek

cc: George Casola
Charles Wakild

DATE: November 14, 1985
TO: File
FROM: Jack Butler
SUBJECT: Telephone conversation with Doug Holyfield [(919) 791-8720] about Singer Plant site (NC D057451270).

Mr. Holyfield of the NC Division of Health Services reported that there are 2 wells on site. These wells are each over 100 feet deep and are used for cooling water for plant hydraulic systems. Wastewater from the plant is discharged to the Wilmington waste water system without pretreatment. On the northwest side of the property is an old septic tank which serves two rest rooms in the plant.

After the 1,1,1-trichloroethane (TCE) spill in 1983, soil samples were taken along the stream behind the property. These indicated 31.7 ppm TCE "upstream" and < 0.01 ppm TCE "downstream". Mr. Holyfield agreed to send copies of these test results to the CERCLA office.

Mr. Holyfield added that plant personnel had in the past reported that waste oil and possibly solvents had been disposed of on the north edge of the property for years in the past. This area has reportedly been covered with fill dirt.

JB/tb/0210b

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input checked="" type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)			
TO: Jack Butler 3012 Program	FROM: Doug Holyfield Wilmington-ERO	DATE 11-14-85	TIME 9:30 AM
SUBJECT Climate Control (Singer) NCD 057451270 into for PA			
SUMMARY OF COMMUNICATION			
<p>Site was visited 11-14-85. Met with Phillip Burns, Maintenance Supervisor. Site layout enclosed.</p> <p>Site has 2 on-site wells both > 100ft deep. Wells are used for cooling processing equipment. Industrial wastewater goes to municipal sewer system. One on-site septic system serves one restroom on the NW corner of building. Industrial discharge into this system not suspected.</p> <p>As noted in file ~ 400-500 gals of 1,1,1-Trichloroethane was spilled 11-18-83 into a drainage ditch on the Northern property line. Site was excavated & material sent to GSX (SCA 1984)</p> <p>Mr. Burns noted that drainage area contains waste oils, solvents, etc. from previous dumping by the plant since opening 1950's.</p> <p>Partial covering of the drainage ditch by pavement & building due to company expansion.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
<p>No groundwater monitoring wells exist at this site. I spoke with Rick Shiver regional hydrologist - DEM considered 1983 spill slight and did not request any wells.</p> <p>Enclosures: - Site layout - Incident report per Subpart D 265.56(j)</p>			
INFORMATION COPIES - Post-spill soil analyses			
TO: T. Dover			



DATE: November 12, 1985
TO: File
FROM: Jack Butler
SUBJECT: Telephone conversation with Jeff Seal [(704) 791-8510] about Singer Co. in Wilmington (NC D057451270).

Mr. Seal was contacted on this date concerning the Singer Site in Wilmington, NC. Mr. Seal has worked at this plant since 1984. Mr. Seal reported that the refrigeration coils division of Singer Co. including this plant, was bought in 1982 by Climate Control/McQuay. The plant was originally built in 1960 and American Standard produced cooling coils on the site until 1972. Tappan Industries bought the plant in 1972 and resold it to Singer Co. within a couple of weeks. Singer manufactured industrial refrigeration coils and some other refrigeration equipment until it sold the plant in 1982. Climate Control/McQuay continues to produce coils and has expanded the refrigeration equipment to include compressors, and other commercial units.

The plant is completely surrounded by a fence and access is controlled by guards 24 hr/day. The plant normally operates first and second shift.

The major hazardous waste generated at this site is 1,1,1-trichloroethane. A small amount of waste oil and paint are also produced. The waste oil includes both lubricating oil and hydraulic oil. The paint and oil are stored outside in 55 gallon drums on an undiked concrete pad until they can be incinerated by Caldwell Systems. Approximately 4,000 gal/quarter of 1,1,1-trichloroethane are shipped to Prillaman in Virginia for reclaiming. This 1,1,1-trichloroethane is stored in a 6,000 gallon above ground tank before shipment. The tank rests on an undiked concrete pad. In 1983 an estimated 400 to 500 gallons of 1,1,1-trichloroethane leaked from this storage tank. The tank has now been replaced and the old tank was disposed of in Pinewood, SC. Soil from the contaminated area was also disposed of in Pinewood.

Mr. Seal thought that there was a well in the parking lot area that supplies cooling water for the batch degreaser. He did not know the source of their drinking water but reported that they had city fire hydrants for fire protection. Mr. Seal also did not know how their sewage was disposed of.

Mr. Seal knew of no waste burials on site.

JB/tb/0210b

CLIMATE CONTROL
A UNIT OF SNYDER GENERAL CORPORATION

REFRIGERATION/COILS DIVISION

RECEIVED

October 17, 1984

Mr. Doug Holyfield
Division of Health Services
Solid & Hazardous Waste Management Branch
Environmental Health Section
PO Box 4484
Wilmington, NC 28406

RECEIVED
NOV 18 1985
SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH

Dear Doug:

As a follow-up to the clean up of the 1,1,1 Trichloroethane spill on November 18, 1983, you had requested a soil analysis of the spill area. On August 17, 1984 Law & Company of Wilmington collected two soil samples, one upstream sample and one downstream sample, from the small stream where the spill occurred.

In response to your request, I have attached the soil analysis done by Law & Company.

Sincerely,



Jeff Seal, Asst.
Personnel Manager

Attachment

cc: K.C. Kochhar

JS:lek

*Copied & sent to
William Paige
for Appraisal 10-23-84*

LAW & COMPANY
Consulting and Analytical Chemists

ESTABLISHED 1903

Main Office
1711 Castle Street
P.O. Box 629
Wilmington, N.C. 28402
919-762-7082 919-762-8956
TWX 510-937-0280

REPORT DATE : 09/14/84

Branch Office
4736 Spruill Ave.
North Charleston, S.C. 29406
803-747-1589

02*0
CLIMATE CONTROL
602 SUNNYVALE DR.
WILMINGTON, NC 28403

LAB ID / INVOICE # 6W5254
DATE & TIME COLLECTED 8/17/84
DATE & TIME REC IN LAB 8/17/84
COLLECTED BY LAW & COMPANY

ATTN: K.C. FOCCHAR

SAMPLE DESCRIPTION: DITCH SAMPLES

TESTS / SAMPLES	METHOD	UNITS	UP	DOWN
1-1-1 TRICHLOROETHANE		PPM	31.7	0.01

ADDITIONAL CHARGES COLLECTION FEE \$15

TOTAL CHARGES \$165

Dell Bidwell

LABORATORY SUPERVISOR

CLIMATE CONTROL
A UNIT OF SNYDER GENERAL CORPORATION

REFRIGERATION/COILS DIVISION

Mr. Jerry H. Rhodes
N.C. Dept. of Human Resources
Div. of Health Services
Environmental Health Section
P.O. Box 2091
Raleigh, N.C. 27602

Dear Mr. Rhodes:

On your visit of June 12, 1984 you requested an incident report on our tank spill of November 18, 1983 because you showed no record of the report. This report was prepared by Mr. Don Knowlton, Director of Manufacturing Operation, on December 5, 1983 and mailed to the N.C. Solid Waste Management Branch. Please see the attached copy of the incident report.

Sincerely,



Jeff Seal
Asst. Personnel Manager

6/22/84

*Keith,
Please ✓
see if waste
sent to an
approved TSD.*

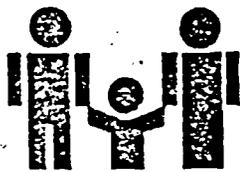
*(file when
complete)*

8/17/84

Wm

*Has gone to
SCA at
Pinewood.*





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

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

June 15, 1984

Date	<u>June 12, 1984</u>
EPA ID Number	<u>NCD 057451270</u>
Company Name	<u>Climate Control</u>

Dear Mr. Seal:

We have processed and accept at the state level your request for RCRA change identified below:

	<u>EXISTING</u>	<u>CHANGE TO</u>
Company Name	<u>Climate Control</u>	<u>Climate Control</u>
Ownership	<u>A Unit of Synder General Corp.</u>	<u>SAME</u>
Facility Contact	<u>Jim Rouse</u>	<u>Jeff Seal</u>
Facility Phone Number	<u>(919) 791-8510</u>	<u>SAME</u>
Facility Mailing Address	<u>P.O. Box 1649 Wilmington, NC 28401</u>	<u>SAME</u>

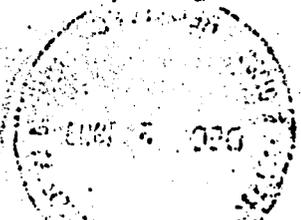
Cordially yours,

O. W. Strickland, Head
Solid and Hazardous Waste Management Br
Environmental Health Section

OWS/EB: tl

Enclosure

cc: Doug McCurry
EPA Region IV



G C

ORGANIC CHEMISTRY

Parameter	Results	Parameter	Results
Endrin		11-Trichloroethane	3,000 ppm
Lindane			(estimate)
Methoxychlor			
Toxaphene			
2,4-D			
2,4,5-TP(Silvex)			
PCB's			
Petroleum			
TOC			
TOX			

Date Received 11-22-83 Date Reported 12-1-83 Reported by John R. Neal
 Date Extracted _____ Date Analyzed _____ Lab Number 306773

MICROBIOLOGY

Parameter	Results
(MF) Coliform Colonies/100mls	
(MPN) Coliform Colonies/100mls	

Date Received _____ Date Analyzed _____ Date Reported _____
 Reported by _____ Lab Number _____

RADIOCHEMISTRY

Parameter	Results	Parameter	Results
Gross Alpha			
Gross Beta			

Date Received 11-22-83 Date Analyzed 11-23-83 Date Reported 11-23-83
 Reported by John R. Neal Lab Number _____

CLIMATE CONTROL

A UNIT OF SNYDER GENERAL CORPORATION

REFRIGERATION/COILS DIVISION

January 12, 1983



Mr. William Paige
Division of Health Services
P.O. Box 2091
Raleigh, N.C. 27602-2091

Dear Mr. Paige:

I talked with you via telephone on 1-12-83 concerning Mr. Ray Church's inspection of our facility on December 13, 1982. Mr. Church cited violation (262.40) involving a missing return copy from a TSD (Manifest DM 5094). The employee who is responsible for the filing and maintenance of the so described document was absent from work on the day of the inspection, however upon returning to work the employee located the misplaced document.

As agreed in our telephone conversation, I am forwarding a copy of the document to you and to Mr. Ray Church with the exclusion of filing the exception report. Thank you for your help and consideration in this matter.

Sincerely yours,

A handwritten signature in cursive script that reads "James H. Rouse".

James H. Rouse, Assistant
Personnel Manager

JHR:kr

cc: Ray Church
Donald Knowlton

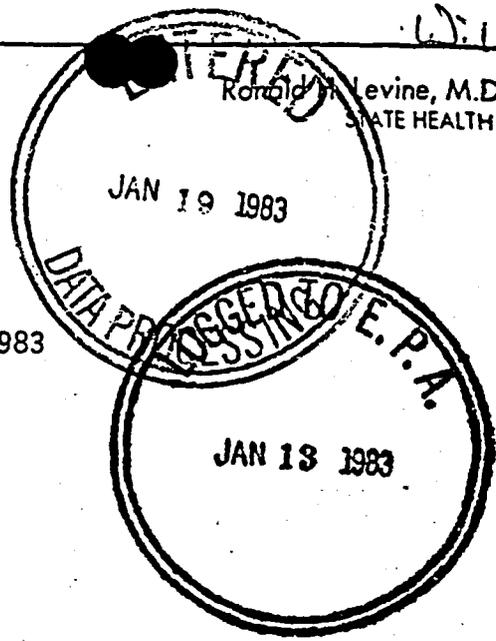
Enclosure: 1



William

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

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



January 7, 1983

Mr. James H. Rouse
Climate Control Division
Snyder General, Inc.
P.O. Box 1649
Wilmington, NC 28403

Dear Mr. Rouse:

On December 13, 1982 Mr. Ray Church of the Solid and Hazardous Waste Management Branch conducted a RCRA inspection of your facility. The following violations were noted:

1. Placards for transport were not available upon request. (262.33)
2. Arrangements to familiarize local authorities with layout of the facility and properties of hazardous waste handled by the facility have not been documented. (265.37)
3. The contingency plan has not been updated to reflect changes in the Emergency Coordinator and appropriate phone numbers. (265.52(d))
4. The contingency plan does not include arrangements agreed to by local authorities. (265.52(c))
5. Copies of the contingency plan, including all revisions, have not been submitted to local authorities. (265.53)
6. Adequate emergency procedures have not been developed. (265.56)
7. Manifest DM5094 was missing the return copy from the TSD. Signed copies from the designated facility which received the waste must be retained for a period of three years. (262.40)
8. An Exception report had not been submitted as required in Section (262.42).
9. The level of waste in the 1,1,1-trichloroethane waste tanks must be inspected at least once each operating day to ensure compliance with Section 265.192(c). (265.194(a)(3))

Mr. James H. Rouse
Page 2
January 7, 1983

A compliance date of February 28, 1983 was established. Items 7 and 8, Manifest and Exception Report is to be corrected immediately.

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

Sincerely,



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

OWS:nlc

cc: Mr. Ray Church



W.H.P. 1/5/83

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

January 3, 1983



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

FROM: Raymond L. Church, Jr.
Eastern Regional Office

RE: Interim Status Compliance Inspection
Climate Control Division, Snyder General, Inc.
P.O. Box 1649
602 Sunnyvale Drive
Wilmington, NC 28403
New Hanover County
EPA ID# NCD057451270

Facility previously known as: Singer Company, Inc.
Wilmington Coil Division

A RCRA Interim Status compliance inspection was conducted at the Climate Control Division, Snyder General, Inc., on December 13, 1982.

The following violations were found:

1. Placards for transport were not available upon request. (262.33)
2. Arrangements to familiarize local authorities with layout of the facility and properties of hazardous waste handled by the facility have not been documented. (265.37)
3. The contingency plan has not been updated to reflect changes in the Emergency Coordinator and appropriate phone numbers. (265.52(d))
4. The contingency plan does not include arrangements agreed to by local authorities. (265.52(c))
5. Copies of the contingency plan, including all revisions, have not been submitted to local authorities. (265.53)
6. Adequate emergency procedures have not been developed. (265.56)
7. Manifest DM5094 was missing the return copy from the TSDF. Signed copies from the designated facility which received the waste must be retained for a period of three years. (262.40)

8. An Exception report had not been submitted as required in Section (262.42)
9. The level of waste in the 1,1,1-trichloroethane waste tanks must be inspected at least once each operating day, to ensure compliance with Section 265.192(c). (265.194(a)(3))

Compliance Schedule } A compliance date of February 28, 1983 was established and agreed upon.

Items 7 & 8, Manifest and Exception Report is to be corrected immediately.

sle

RCRA Inspection Report

1. Facility Information

Climate Control Division, Snyder General, Inc.
P.O. Box 1649
602 Sunnyvale Drive
Wilmington, NC 28403
New Hanover County
EPA ID# NCD057451270

Facility previously known as: Singer Company, Inc.
Wilmington Coil Division

2. Responsible Official

✓ James H. Rouse, Assistant Personnel Manager
(919) 791-8510

3. Survey Participants

James H. Rouse, Assistant Personnel Manager
Gordon Kiger, Industrial Engineering Supervisor
Raymond L. Church, Jr., Division of Health Services

4. Date of Inspection

December 13, 1982
9:00 AM - 12:00 Noon

5. Applicable Regulations

40 CFR Part 262 Generator Standards and Part 265 Subpart J Tanks. On November 22, 1982 this facility was granted a change in classification under RCRA. The facility was deleted as a storer and is now classified as a generator only.

6. Purpose of Survey

The second RCRA compliance inspection was conducted at the Climate Control Division, Snyder General, Inc. by N.C. Solid and Hazardous Waste Management Branch representative Ray Church.

The scope of the inspection was comprehensive including record review and site survey. Regulatory requirements covered those contained in 40 CFR Part 262 Generator Standards and Part 265 Subpart J "Tanks".

7. Facility Description

The following changes have occurred since the previous inspection of August 19, 1981.

This facility was previously known as Singer Company, Inc., Wilmington Coil Division and was owned by The Singer Company. The company is now owned by Snyder General Company and has changed the name to Climate Control Division, Snyder General, Inc.

The facility previously held interim status as a storage facility but was granted a change in classification on November 22, 1982, and is now a generator only.

The hazardous waste generated at this facility is 1,1,1-trichloroethane used in degreasing operations (F001). Approximately 2,300 lbs. are produced each week. This facility has a contract with Prillaman Company of Martinville, VA, EPA ID# VAD003111416 for recovery. Shipments are made approximately every 75 days by Kenan Trucking EPA ID# NCD00346123 to the Prillaman Company. The annual report indicated that 148,992 lbs. were generated last year.

An additional waste was generated this year when still bottoms (F002) had to be removed from the waste 1,1,1-trichloroethane storage tanks. The tanks were cleaned by Enviro-Chem, Raleigh, EPA ID# NCD991289521 and the still bottoms shipped by Overnite Trucking EPA ID# VAD000651778 to Cauldwell Systems EPA ID# NCD086871282 for incineration.

Other permits held by this facility are NPDES permit #NC0003085 and Air Permit #1404R3 both issued by the N.C. Department of Environmental Management.

8. Documentation of Site Deficiencies

1. Placards for transport were not available upon request. (262.33)
2. Arrangements to familiarize local authorities with layout of the facility and properties of hazardous waste handled by the facility have not been documented. (265.37)
3. The contingency plan has not been updated to reflect changes in the Emergency Coordinator and appropriate phone numbers. (265.52(d))
4. The contingency plan does not include arrangements agreed to by local authorities. (265.52(c)).
5. Copies of the contingency plan, including all revisions, have not been submitted to local authorities. (265.53)
6. Adequate emergency procedures have not been developed. (265.56)
7. Manifest DM5094 was missing the return copy from the TSDF. Signed copies from the designated facility which received the waste must be retained for a period of three years. (262.40)
8. An Exception report had not been submitted as required in Section (262.42).
9. The level of waste in the 1,1,1-trichloroethane waste tanks must be inspected at least once each operating day, to ensure compliance with Section 265.192(c). (265.194(a)(3))

9. Compliance Schedule

A compliance schedule of February 28, 1983 was agreed upon by Mr. Rouse and myself.

INSPECTION FORM FOR INTERIM STATUS STANDARDS FOR
 OWNERS, OPERATORS OF HAZARDOUS WASTE MANAGEMENT
 FACILITIES

Climate Control Div. Snyder G. NCD057451270 New Hanover
 Name of Site EPA I.D. County
P.O. Box 1649
602 Sunnyvale Dr. Winton N.C. 28403 James H. Rouse
 Location Signature of Facility Contact
12-13-82 Raymond J. Church
 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.

	<u>C</u>	<u>NC</u>	<u>NA</u>	<u>Violation(s)</u>
1. GENERAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. GENERAL FACILITY STANDARDS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>262.33</u>
3. PREPAREDNESS AND PREVENTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.37</u> <u>265.52(d) 265.53</u>
4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.52(c) 265.56</u>
5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>262.40 262.42</u>
6. GROUND-WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. CLOSURE AND POST-CLOSURE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. FINANCIAL REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. USE AND MANAGEMENT OF CONTAINERS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. TANKS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.194(a)(3)</u>
11. SURFACE IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. WASTE PILES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. LAND TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. LANDFILLS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15. INCINERATORS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. THERMAL TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18. UNDERGROUND INJECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Generator Compliance Date 2-28-83 Imminent hazard () NO

I understand that my company must supply information about any changes in its operations which might change its status again on its own initiative.

I certify that the information supplied is accurate and correct to the best of my knowledge and belief. I am authorized to make this request on behalf of my company at the location given.

Signature: James H. Rouse

Company Title: Assistant, Personnel Manager

cc: Messrs. G. Casola
D. Knowlton
C. Needham
W. Prosser



APPLICATION FOR CHANGE IN CLASSIFICATION UNDER RCRA

Date: November 2, 1982

Company Name: Climate Control

Company Address: 602 Sunnyvale Drive, Wilmington, NC 28403

EPA ID No: NCD057451270

Mr. O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Division of Health Services
P. O. Box 2091
Raleigh, N. C. 27602

*Div. of
Snyder General
Corp.*

Dear Mr. Strickland:

Our company requests the following change in its classification under RCRA (check all that apply):

<u>Add As</u>	<u>Delete As</u>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	generator
<input type="checkbox"/>	<input checked="" type="checkbox"/>	transporter
<input type="checkbox"/>	<input checked="" type="checkbox"/>	treater
<input type="checkbox"/>	<input checked="" type="checkbox"/>	storer
<input type="checkbox"/>	<input checked="" type="checkbox"/>	disposer
<input checked="" type="checkbox"/>	<input type="checkbox"/>	small generator

Our reason for this request is:

Article 262.34 Accumulation Time - Our Trichloroethane (1,1,1) waste is shipped off site within every 90 days by the Prillaman Company, Martinsville, VA

NOTE: Give any pertinent information. This may be a change in your process, a new calculation of the volume of your waste, new analyses of your waste, etc. Be specific. Please note that this is not a petition for delisting a listed waste, which requires totally different handling.

If your request takes you out of the regulated system, but you wish to retain your EPA ID No., please state why.

The spent Halogenated solvent is considered toxic waste. For this reason Climate Control considers it to be in the best interest of the Company to retain its EPA ID No.

INSTRUCTIONS FOR FORM USAGE

The below instructions are applicable to Interim Status Inspection
Forms Numbers _____

Purpose: To provide information on the compliance status of facilities handling hazardous waste. A written summary will be developed from this data and forwarded to the facility.

Preparation: A field inspector will prepare one copy of the appropriate inspection form(s) on each facility to be inspected. Information regarding county, name, address, and E.P.A. I.D. number may be completed prior to the site visit.

Distribution: The field inspector should write a written summary and forward it to the below address within one week after the site visit.

Mailing: Mr. O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section
Department of Human Resources
P.O. Box 2091
Raleigh, North Carolina 27602

Retention: It is recommended that the inspection report be retained as a part of a facilities permanent record.

Additional forms may be ordered from: Solid and Hazardous Waste Management Branch
Environmental Health Section
Department of Human Resources
P.O. Box 2091
Raleigh, North Carolina 27602

A. IDENTIFICATION INFORMATION					
	EPA ID NO.	NAME	ADDRESS	TELEPHONE	
GENERATOR	NCD057451270	Climate Control	602 Sunnyvale Drive Wilmington, N. C. 28403	919-791-8510	
TRANSPORTER 1	VAD003111416	Prillaman Co.	Fisher Road Martinsville, VA 24112	703-638-8829	
TRANSPORTER 2					
TSDF*	VAD003111416	Prillaman Co.	Fisher Road Martinsville, VA 24112	703-638-8829	

B. WASTE INFORMATION						
CONTAINER (S)		DOT DESCRIPTION/CLASS/ID NO.	TOTAL QUANTITY	WEIGHT	EPA WASTE CODE NUMBER	DISCREPANCY INFORMATION
NO.	TYPE					
1	Tank	Spent Solvent Waste UN2831 1-1-1 Trichlorethane ORM-A	(7)		F002	2,000 gallo

C. EMERGENCY NUMBERS		NATIONAL RESPONSE CENTER: 1-800-424-8802	
919-	703-		
GENERATOR: (791-8510)	DISPOSER: (638-8829)	N. C. HIGHWAY PATROL (919) 733-3861	

D. SPECIAL HANDLING/EXCEPTION REPORT/DISCREPANCY REPORT		(NO. _____)
(IF NEEDED, USE ADDITIONAL SHEETS.)		

E. CERTIFICATIONS

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.

Jimmy Hartsfield AUTHORIZED REPRESENTATIVE OF GENERATOR	<i>Jimmy Hartsfield</i> GENERATOR REPRESENTATIVE'S SIGNATURE	9/20/82 DATE
--	---	-----------------

THIS IS TO CERTIFY ACCEPTANCE OF THE HAZARDOUS WASTE SHIPMENT DESCRIBED ABOVE.

AUTHORIZED REPRESENTATIVE OF TRANSPORTER 1	<i>Paul Turner</i> TRANSPORTER REPRESENTATIVE'S SIGNATURE	9/20 DATE
--	--	--------------

AUTHORIZED REPRESENTATIVE OF TRANSPORTER 2	TRANSPORTER REPRESENTATIVE'S SIGNATURE	DATE
--	--	------

THIS IS TO CERTIFY ACCEPTANCE OF THE HAZARDOUS WASTE SHIPMENT DESCRIBED ABOVE FOR

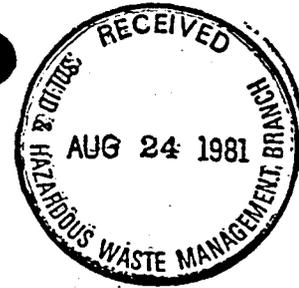
TREATMENT STORAGE OR DISPOSAL

<i>Sherman S. Dotson</i> AUTHORIZED REPRESENTATIVE OF TSDF	<i>Sherman S. Dotson</i> TSDF REPRESENTATIVE'S SIGNATURE	9-21- DATE
---	---	---------------

*TSDF - TREATMENT, STORAGE, OR DISPOSAL FACILITY

DHS FORM 2980 (10/80)
SOLID AND HAZARDOUS WASTE
(INSTRUCTIONS ON BACK SHEET)

FOR ADDITIONAL INFORMATION:
CONTACT MANIFEST SYSTEM
SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH
N. C. DEPARTMENT OF HUMAN RESOURCES
P. O. BOX 2091, RALEIGH, N.C. 27602
(919) 733-2178



STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

RONALD H. LEVINE, M.D.
SECRETARY

Ronald H. Levine, M.D.
Acting Director

JAMES B. HUNT, JR.
GOVERNOR

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

EASTERN REGIONAL OFFICE
404 ST. ANDREWS STREET
GREENVILLE, N.C. 27834
Telephone 756-1343

August 21, 1981

Mr. O.W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section
Division of Health Services
P.O. Box 2091
Raleigh, NC

Dear Mr. Strickland:

On August 19, 1981 between the hours of 9:00 AM and 12:00 PM, Jerry Rhodes, Environmental Chemist Consultant and myself performed a RCRA compliance inspection at the Singer Company, Inc., Wilmington Cbil Division. The scope of the inspection was comprehensive including records review and site survey. Regulatory requirements covered included those contained in 40 CFR Part 262 and 265 under Generator Standards, General Facility Standards, Tanks, and Storage Facilities.

The following violations were recorded:

- ✓ 1. A "Danger - Unauthorized Personnel Keep Out" sign as required under Part 265.14 (c) was not displayed.
- ✓ 2. Personnel training records as required in Part 265.16 were not being maintained.
- ✓ 3. A Contingency Plan and Emergency Procedures Plan as required in Part 265.50 - 265.56 had not been developed.
- ✓ 4. Operating Records required in Part 265.73 concerning management of hazardous waste have not been maintained.
- ✓ 5. A Closure Plan as required in Part 265.112 has not been developed.
- ✓ 6. Inspections required by Part 265.194 of tanks containing hazardous waste have not been made on a routine basis.

Mr. O.W. Strickland
August 21, 1981
Page 2

A compliance schedule of October 19, 1981 (sixty days from August 19, 1981) was agreed upon by Mr. Hayes, Mr. Rhodes and myself for the proper documents to be prepared and other violations to be corrected by the Singer Company, Inc.

Very truly yours,

Ray Church

Ray Church, District Sanitarian
Solid & Hazardous Waste Management Branch
Environmental Health Section

sle

1. Facility Information

Singer Company, Inc.
602 Sunnyvale Drive
Wilmington, NC 28403
Facility I.D. # NCD057451270

2. Responsible Official

Robert Hayes, Manager of Manufacturing Engineering
(919) 791-8510

3. Survey Participants

Raymond Church, District Sanitarian
Robert Hayes, Manager of Manufacturing Engineering
Jerry Rhodes, Environmental Chemist Consultant

4. Date of Inspection

August 19, 1981 9:00 AM to 12:00 PM

5. Applicable Regulations

40 CFR Parts 262 and 265

6. Purpose of Survey

RCRA compliance inspection was conducted at the Singer Company, Inc., Wilmington Coil Division, by the North Carolina Solid and Hazardous Waste Management Branch. The scope of the inspection was comprehensive including records review and site survey. Regulatory requirements covered included those contained in 40 CFR Part 262 and 265 under generator standards, general facility standards, tanks, and storage facilities.

7. Facility Description

The Singer Company, Inc., Wilmington Coil Division is located at 502 Sunnyvale Drive in Wilmington, North Carolina. The facility occupies 15.5 acres and is enclosed by high security fencing.

The product produced at this facility is heat transfer equipment for air conditioning and refrigeration units.

The coils are assembled at this location and as a final step are cleansed with the degreaser 1,1,1 - trichloroethane. Approximately two or three times a week the vats of 1,1,1 - trichloroethane are allowed to boil down to a sludge which drains to a 55 gallon drum equipped with a centrifical pump. The sludge is then pumped to one of two above ground holding tanks. These

tanks are 2,500 and 3,000 gallons respectively. Approximately every 75 days 4,000 gallons of the spent 1,1,1 - trichloroethane is transported by a bulk truck belonging to Prillaman Company to the Prillaman Company, Martinsville, Virginia plant for recovery.

8. Generator Standards - Regulation Nos. 262.10 - 262.51 .

The facility was in compliance with this section.

9. General Facility Standards: Reg. Nos. 265.10 - 265.17

The facility was not in compliance with Sections 265.14 (c) and 265.16. Mr. Hayes was informed that a "Danger - Unauthorized Personnel Keep Out" sign was required for the tank storage area.

He was also informed that personnel training records including job titles, description of training and a record of training must be maintained.

10. Preparedness and Prevention: Reg. Nos. 265.30 - 265.56

The facility was in compliance with this section.

11. Contingency Plan and Emergency Procedures: Reg. Nos. 265.50 - 265.56

The facility did not have a Contingency Plan and Emergency Procedures as required in Section 265.50 - 265.56.

Mr. Hayes assured me that a Contingency Plan and Emergency Procedure would be developed within 60 days from August 19, 1981.

12. Manifest System, Recordkeeping and Reporting: Reg. Nos. 265.70 - 265.77

The facility was not in compliance with Section 265.73, Operating Records. Mr. Hayes was informed that written operating records must be kept at his facility. These records are to include the description, quantity and location of each hazardous waste and other pertinent information as required in Section 265.73.

13. Groundwater Monitoring: Reg. Nos. 265.90 - 265.94

This section is not applicable to this facility.

14. Closure and Post-closure: Regulation Nos. 265.110 - 265.120

There was no closure plan as required under Section 265.110 - 265.115 as applicable to owners and operators of all hazardous waste facilities.

A closure plan is to be developed by Mr. Hayes prior to October 19, 1981.

15. Tanks: Regulation Nos. 265.190 - 265.199

The facility was not in compliance with Sections 265.194 [a(2)(3)(5)] .

The tanks are not presently being monitored as required to check waste levels or to detect leakage.

16. Documentation of Site Deficiencies

Several violations were cited at the Singer Company, Inc. facility.

A "Danger - Unauthorized Personnel Keep Out" sign was not posted at the tank storage area as required in Section 265.14 (c). Mr. Hayes agreed to have a sign printed and installed within the next few weeks.

An inspection of company records revealed that there were no Personnel training records as required in Section 265.16. These records are to be developed by Mr. Hayes prior to October 19, 1981.

There was no Contingency Plan and Emergency Procedures as required in Section 265.50 - 265.56. These plans are to be developed by Mr. Hayes prior to October 19, 1981.

According to 265.73 written operating records concerning hazardous waste must be maintained. Mr. Hayes agreed to develop such records.

Section 265.112 requires a person who stores hazardous waste at his facility to develop a closure plan. This plan is to be developed prior to October 19, 1981.

Section 265.194 was violated in that records of inspections of the tanks were not being maintained.

17. Recommendations

In the post-inspection discussion with Robert Hayes, it was suggested that he install the proper signs around the tank storage area and operating records inadequacies should be rectified. A Contingency Plan and Emergency Procedures as well as a Closure Plan is to be developed. Mr. Hayes agreed that these inadequacies could be corrected by October 19, 1981.

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

Singer Co. NCD 057451270 New Hanover
 Name of Site EPA I.D. County
602 Sunnyvale Dr Wilmington NC. [Signature]
 Location Signature of Facility Contact
8-19-81 [Signature]
 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.

	<u>C</u>	<u>NC</u>	<u>NA</u>	<u>Violation(s)</u>
1. GENERAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. GENERAL FACILITY STANDARDS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.16</u> <u>265.14(C)</u>
3. PREPAREDNESS AND PREVENTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.52</u>
5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.73</u>
6. GROUND-WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. CLOSURE AND POST-CLOSURE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.112</u>
8. FINANCIAL REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	
9. USE AND MANAGEMENT OF CONTAINERS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. TANKS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>265.194 a 2</u> <u>" " a 3</u> <u>9 5</u>
11. SURFACE IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	
12. WASTE PILES	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	
13. LAND TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	
14. LANDFILLS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15. INCINERATORS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. THERMAL TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18. UNDERGROUND INJECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

YES NO
() (✓)

Imminent hazard

2

INSTRUCTIONS FOR FORM USAGE

The below instructions are applicable to Interim Status Inspection Forms Numbers _____

Purpose: To provide information on the compliance status of facilities handling hazardous waste. A written summary will be developed from this data and forwarded to the facility.

Preparation: A field inspector will prepare one copy of the appropriate inspection form(s) on each facility to be inspected. Information regarding county, name, address, and E.P.A. I.D. number may be completed prior to the site visit.

Distribution: The field inspector should write a written summary and forward it to the below address within one week after the site visit.

Mailing: Mr. O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section
Department of Human Resources
P.O. Box 2091
Raleigh, North Carolina 27602

Retention: It is recommended that the inspection report be retained as a part of a facilities permanent record.

Additional forms may be ordered from: Solid and Hazardous Waste Management Branch
Environmental Health Section
Department of Human Resources
P.O. Box 2091
Raleigh, North Carolina 27602



File
New Haven
JWTC

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX

JAMES B. HUNT, JR.
GOVERNOR
SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091 Raleigh 27602

Ronald H. Levine, M.D.
Acting Director

August 13, 1981

Mr. R. T. Hayes
The Singer Company
602 Sunnyvale Drive
Wilmington, NC 28403

Dear Mr. Hayes:

The Division of Health Services (DHS) received your request for permission to dispose of waste paint filters in a sanitary landfill. Based on our telephone conversation on August 12, 1981 and your letter dated August 6, 1981, these waste filters appear to be nonhazardous. You stated that no heavy metals were in the paint and no free solvents were present in the discarded filters.

DHS has no objection to the sanitary landfill disposal of these waste filters if in accordance with conditions:

- (1) The filters are solvent-free and can be confined, compacted, and covered in accordance with the "Solid Waste Management Rules".
- (2) The owner/operator of the landfill approves the disposal.
- (3) The waste remains nonhazardous as determined by the current RCRA regulations.

If we can be of further assistance, please contact our office at (919) 733-2178.

Sincerely,

Jerry Rhodes, Environmental Chemist
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:lc

cc: Mr. Ray Church

File

SINGER

CLIMATE CONTROL DIVISION
WILMINGTON OPERATIONS

August 6, 1981



Mr. William L. Meyer
Environmental Engineer
Solid & Hazardous Waste Management Branch
NC Division of Health Services
P.O. Box 2091
Raleigh, North Carolina 27602

Dear Mr. Meyer:

In response to your letter dated July 8, 1981 and our subsequent conversations, attached are copies of Material Safety Data Sheets for the two (2) paints which we are using in the filtered paint booth. I would appreciate your reviewing these as soon as possible and, if approved, a statement from your office permitting landfill disposal of the filters.

Thank you very much for your cooperation in this matter.

Sincerely yours,

A handwritten signature in cursive script that reads "R. Hayes".

Robert T. Hayes
Manager, Manufacturing Engineering

RH/jd

Attachments

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS, AND RELATED MATERIALS

DATE OF PREP:

7/28/81

Section I

Southern Coatings & Chemical Co., Inc.
P.O. Box 160
Sumter, South Carolina 29150

EMERGENCY TELEPHONE NO: (803) 775-6351

PRODUCT CLASS: Nitrocellulose Lacquer

MANUFACTURER'S CODE IDENTIFICATION: F6-6210

TRADE NAME: Green Lacquer

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT By Wt.	TLV		LEL	VAPOR PRESSURE mmHg @ 20°C
		PPM	mg/M ³		
Toluene	30	100		1.2	25
Isobutyl Acetate	25	150		1.3	12.5
Xylene	10	100		1.0	6.1
Isopropyl Alcohol	10	400		2.0	32.8
Cellosolve Acetate	Less Than 5	100		1.7	1.7

Section III - PHYSICAL DATA

BOILING RANGE 177-320°F.

VAPOR DENSITY

HEAVIER

LIGHTER THAN AIR

EVAPORATION RATE

FASTER

SLOWER THAN ETHER

PERCENT VOLATILE
BY VOLUME

90

WEIGHT PER
GALLON

7.8

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: Red Label, Flammable
liquid

FLASH POINT 45°F, TCC

LEL 1.0%

EXTINGUISHING MEDIA Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical or foam) designed to extinguish NFPA Class 1 B (flammable) liquid fires

UNUSUAL FIRE AND EXPLOSION HAZARDS Pressure build up likely in closed containers due to heat. Containers should be sprayed with water to cool. Do not apply on hot surfaces or in presence of sparks or fire. Prevent static electricity discharge by minimizing free fall distance and grounding pouring and receiving containers.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water to extinguish fire.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II
EFFECTS OF OVEREXPOSURE INHALATION: Dizziness, Nausea, Headache
Skin or Eye Contact: Possible primary irritation.

EMERGENCY AND FIRST AID PROCEDURES Vapor: Remove victim to fresh air. If breathing stops, apply artificial respiration. Skin or eye contact: Remove contaminated clothing and gently flush affected area with water and clean thoroughly.

Section VI — REACTIVITY DATA

STABILITY UNSTABLE STABLE CONDITIONS TO AVOID
INCOMPATIBILITY (Materials to avoid) Contact with strong alkaline materials may result in heat
HAZARDOUS DECOMPOSITION PRODUCTS sufficient to produce combustion.
Thermal Decomposition may yield carbon monoxide and oxides of nitrogen
HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR
CONDITIONS TO AVOID N/A

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Avoid contact with liquid. Eliminate ignition sources. Avoid breathing vapor and use respiratory devices in poorly ventilated areas.
WASTE DISPOSAL METHOD Collect free liquid into containers, other waste may be mopped with rags or sawdust which must be stored under water until incinerated or added to landfill.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION In outdoor or open areas use Bureau of Mines approved mechanical filter respirator to remove solid air borne particles of overspray during spray application. In restricted ventilation areas use Bureau of Mines approved chemical-mechanical filter designed to remove a combination of particulate and gas and vapor. In confined areas use Bureau of Mines approved air line type respirator or hoods.
VENTILATION Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit and LEL below stated limit and to remove decomposition while welding through primer.
PROTECTIVE GLOVES Required for prolonged or repeated contact.
EYE PROTECTION Protect against splash of liquid.
OTHER PROTECTIVE EQUIPMENT Prevent prolonged skin contact to contaminated clothes.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not store above 120°F. Store large quantities in buildings designed and protected for storage NFPA Class II combustible liquids.
OTHER PRECAUTIONS Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze, or weld without U.S. Bureau of Mines approved respirator or appropriate ventilation.

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS, AND RELATED MATERIALS

DATE OF PREP.

7/31/81

Section I

Southern Coatings & Chemical Co., Inc.
P.O. Box 160
Sumter, South Carolina 29150

EMERGENCY TELEPHONE NO: (803) 775-6351

PRODUCT CLASS: Nitrocellulose Lacquer

MANUFACTURER'S CODE IDENTIFICATION: 6-8974

TRADE NAME: Black Lacquer

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT BY WT.	TLV		LEL	VAPOR PRESSURE mmHg @ 20°C
		PPM	mg/M ³		
Toluene	30	100		1.2	25
Isobutyl Acetate	25	150		1.3	12.5
xylene	10	100		1.0	6.1
Isopropyl Alcohol	10	400		2.0	32.8
Cellosolve Acetate	Less Than 5	100		1.7	1.7

Section III - PHYSICAL DATA

BOILING RANGE 177-320°F.

VAPOR DENSITY

HEAVIER

LIGHTER THAN AIR

EVAPORATION RATE

FASTER

SLOWER THAN ETHER

PERCENT VOLATILE
BY VOLUME 90

WEIGHT PER
GALLON 7.6

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: Red Label, Flammable liquid, FLASH POINT 45°F, TCC

LEL 1.0%

EXTINGUISHING MEDIA Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical or foam) designed to extinguish NFPA Class 1 B (flammable) liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS Pressure build up likely in closed containers due to heat. Containers should be sprayed with water to cool. Do not apply on hot surfaces or in presence of sparks or fire. Prevent static electricity discharge by minimizing free fall distance and grounding pouring and receiving containers.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water to extinguish fire.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II

EFFECTS OF OVEREXPOSURE

INHALATION: Dizziness, Nausea, Headache

Skin or Eye Contact: Possible primary irritation.

EMERGENCY AND FIRST AID PROCEDURES

Vapor: Remove victim to fresh air. If breathing stops, apply artificial respiration. Skin or eye contact: Remove contaminated clothing and gently flush affected area with water and clean thoroughly.

Section VI — REACTIVITY DATA

STABILITY UNSTABLE STABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials to avoid) Contact with strong alkaline materials may result in heat sufficient to produce combustion.

HAZARDOUS DECOMPOSITION PRODUCTS Thermal Decomposition may yield carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR

CONDITIONS TO AVOID N/A

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Avoid contact with liquid. Eliminate ignition sources. Avoid breathing vapor and use respiratory devices in poorly ventilated areas.

WASTE DISPOSAL METHOD Collect free liquid into containers, other waste may be mopped with rags or sawdust which must be stored under water until incinerated or added to landfill.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION In outdoor or open areas use Bureau of Mines approved mechanical filter respirator to remove solid air borne particles of overspray during spray application. In restricted ventilation areas use Bureau of Mines approved chemical-mechanical filter designed to remove a combination of particulate and gas and vapor. In confined areas use Bureau of Mines approved air line type respirator or hoods.

VENTILATION Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit and LEL below stated limit and to remove decomposition while welding through primer.

PROTECTIVE GLOVES Required for prolonged or repeated contact.

EYE PROTECTION Protect against splash of liquid.

OTHER PROTECTIVE EQUIPMENT Prevent prolonged skin contact to contaminated clothes.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not store above 120°F. Store large quantities in buildings designed and protected for storage NFPA Class II combustible liquids.

OTHER PRECAUTIONS Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze, or weld without U.S. Bureau of Mines approved respirator or appropriate ventilation.



Chemical Waste Management, Inc.

Southeast Area Sales Office
2131 Kingston Court S.E., Suite 112
Marietta, Georgia 30067
404/952-0444



December 14, 1981

Mr. O. W. Strickland
Solid and Hazardous Wastes
Department of Human Resources
P. O. Box 2091
Raleigh, North Carolina 27602

RE: Singer, Incorporated
Spent Paint Filter Material

Dear Mr. Strickland:

This letter is a follow up to our conversation of December 10, 1981, when we discussed the disposal of the subject waste stream at the New Hanover County Landfill in Wilmington, North Carolina.

Based on the attached analysis we have determined the waste to be a non-hazardous solid acceptable for disposal at the New Hanover County Landfill. Your concurrence with this finding is requested at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads 'Don McCombs'.

Don McCombs, P.E.
Regional Engineer

DM/nb

Enclosure

cc: Kevin Yard
Don Wallgren
Al Morrow
Dale Courtney
Ed Hilton

RECEIVED

DEC 7 1981

CWM/MAR

SINGER

CLIMATE CONTROL DIVISION
WILMINGTON OPERATIONS

December 4, 1981

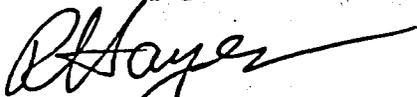
Mr. Don McCombs
Chemical Waste Management
2131 Kingston Court SE
Suite 112
Marietta, GA 30067

Dear Don:

Enclosed is a copy of the Certification of Hazardous Waste Analysis from Law & Company for the paint filters which we have been discussing. Please note under comments on the second page that there are no free cyanides in the filters. This is a result of the last test which you requested from Law.

I certainly appreciate the help you have given to me on determining the status of the filters and think that these results do show that the material is free from hazardous substances. With your approval I will be able to start disposing of them in the normal way at the New Hanover County landfill. Please let me hear from you on this as soon as possible.

Sincerely yours,



Robert F. Hayes

RTH/jd

Enclosure

DEC 7 1981

CWM/MAR

AW & COMPANY
Consulting and Analytical Chemists

ESTABLISHED 1903

v 343

Main Office
1711 Castle St.
Wilmington, N.C. 28402
919-762-7082
TWX 510-937-0280

Branch Office
4736 Spruill Ave.
North Charleston, S.C.
803-747-1589

CERTIFICATION OF HAZARDOUS WASTE ANALYSIS
SAMPLE: Spent Paint Filer Material

Lab# SW8565

DEMONSTRATION FOR: Singer Inc.
6-2 Sunnyvale Drive
Wilm., NC 28403
Attn: Mr. R.T. Hayes

Date & Time Waste Sampled: 10/30/81

Date & Time Sample Received in Lab: 10/30/81

	Date Finished	Results , ppm
Ignitability:		
1. Flash Point (°F)	11/12/81	240 F
Corrosivity:		
1. pH		N/A
2. Corrosion rate		N/A
Reactivity:		
1. Cyanide	11/12/81	85 ppm
2. Sulfide	11/12/81	Not Detected
Extraction (Toxicity)		
1. Arsenic	11/12/81	<1.0
2. Barium	11/12/81	<.8
3. Cadmium	11/12/81	<.05
4. Chromium	11/12/81	<.1
5. Lead	11/12/81	<.1
6. Mercury	11/12/81	.002
7. Selenium	11/12/81	<.0
8. Silver	11/12/81	<.1
9. Endrin		N/A
10. Lindane		N/A

EPA Method
dist H₂SO₄ /
NaOH

1200

Test Finished

Results

Extraction (Toxicity) conc.

11. Methoxychlor	_____	N/A
12. Toxaphene	_____	N/A
13. 2,4-D	_____	N/A
14. 2,4,5-TP	_____	N/A

(All tests performed according to specifications contained in "Test Methods for Evaluating Solid Waste" - USEPA S.W. 846)

Certification/Signature:

I have personally examined and am familiar with the information submitted in this certification, and I hereby certify under penalty of law that this 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.

Roger Offord

Law and Company of Wilmington, Inc.

Comments:

NO FREE CYANIDES

COPY

FORM 1 GENERAL		ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Permit Program</i> <i>(Read the "General Instructions" before starting.)</i>		I. EPA I.D. NUMBER: F N C D 0 5 7 4 5 1 2 7 0	
II. POLLUTANT CHARACTERISTICS: INSTRUCTIONS: Complete A through J for determining whether you need to submit any permit application forms to the EPA. If you answer "yes" to any question, you must submit this form and the supplemental form listed in the parenthesis 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.		RECEIVED PLEASE PLACE LABEL IN THIS SPACE NOV 13 5 54 AM '70		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 space lists 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.	

SPECIFIC QUESTIONS	MARK			SPECIFIC QUESTIONS	MARK		
	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			F. Do you or will you inject at this facility industrial or municipal effluent below the lowest 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 produced 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 or 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:
 SINGER COMPANY

IV. FACILITY CONTACT:
 NAME & TITLE (last, first, & title): HAYES, ROBERT, MGR, MFG ENGINEER
 PHONE (area code & no.): 919 791 8510

V. FACILITY MAILING ADDRESS:
 A. STREET OR P.O. BOX: 602 SUNNYVALE DRIVE
 B. CITY OR TOWN: WILMINGTON
 C. STATE: NC
 D. ZIP CODE: 28403

VI. FACILITY LOCATION:
 A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 602 SUNNYVALE DRIVE
 B. COUNTY NAME: NEW HANOVER
 C. CITY OR TOWN: WILMINGTON
 D. STATE: NC
 E. ZIP CODE: 28403
 F. COUNTY CODE (if known):

VII. SIC CODES (4-digit in order of priority)

1	3505 (specify)	2	(specify)
3	(specify)	4	(specify)

VIII. OPERATOR INFORMATION

1. NAME: SINGER COMPANY

2. STATUS OF OPERATOR (Enter the appropriate letter from the following box. If Other, specify):
 F - FEDERAL M - PUBLIC (other than federal or state) P (specify)
 S - STATE O - OTHER A 919 791 8510
 R - PRIVATE

3. ADDRESS: 602 SUNNYVALE DRIVE

4. CITY: WILMINGTON NC 28403

5. STATE: NC 28403

6. IS THE FACILITY LOCATED ON INDIAN LAND?
 YES NO

X. EXISTING ENVIRONMENTAL PERMITS

1. A. PERMIT (Discharge to Surface Water)	2. A. PERMIT (Discharge from Proposed Sources)
9-N NC 0003085	9-N 1404R2, NC
3. C. PERMIT (Hazardous Waste)	4. C. PERMIT (specify)
9-N NC D 057451270	(specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. It must show the outline of the facility, the location of each of the existing and proposed intake and discharge structures, each of its basins, vents, treatment, storage or disposal facilities, and each well where it injects fluids underground. Indicate all major creeks and surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide brief description)

Manufacturer of heat transfer equipment, primarily for air conditioning and refrigeration.

XIII. 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) Don Knowlton Operations Manager	B. SIGNATURE <i>Donald Knowlton</i>	C. DATE SIGNED 11-14-80
--	--	----------------------------

COMMENTS FOR OFFICIAL USE ONLY

1. COMMENTS FOR OFFICIAL USE ONLY

FORM: **EPA** ENVIRONMENTAL PROTECTION AGENCY
HAZARDOUS WASTE PERMIT APPLICATION
 Consolidated Permits Program
 [This information is required under Section 3005 of RCRA.]

EPA I.D. NUMBER
 F N C D 0 5 7 4 5 1 2 7 0

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr, mo, & day)	COMMENTS

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 data):

1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete items below.)

2. NEW FACILITY (Complete items 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
8	6	05

FOR NEW FACILITIES, PROVIDE THE DATE (yr, mo, & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED. (Use the boxes to the right)

YR.	MO.	DAY

B. REVISED APPLICATION (place an "X" below and complete items below):

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 (Items 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 CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		Treatment:	
CONTAINER (barrel, drum, etc.)	S02 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
WASTE PILE	S02 CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03 METRIC TONS PER HOUR OR GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S02 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: Items III-C)	T04 GALLONS PER DAY OR LITERS PER DAY
Injection Well	D79 GALLONS OR LITERS		
LANDFILL	D80 ACRES FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE METERS		
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 CODE		UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	L
LITERS	L	TON PER HOUR	V
CUBIC YARDS	C	METRIC TONS PER HOUR	W
CUBIC METERS	C	GALLONS PER HOUR	H
GALLONS PER DAY	GD	LITERS PER HOUR	LI

EXAMPLE FOR COMPLETING ITEM III (shown in the 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.

1. D U P

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS 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	B			6					
1	S 0 1	5500	G			7					
2	S 0 2	6000	G			8					
3						9					
4						10					

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES FOR DESCRIBING OTHER PROCESSES (CODES), FOR EACH PROCESS ENTERED HERE. INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. 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 (X) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. 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 wastes that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE: For each quantity entered in column B, enter the unit of measure code. Units of measure which must be used are 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 and must account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES: For listed hazardous waste, For each listed hazardous waste entered in column A, select the code(s) from the list of process codes contained in Item II 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 II 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.

EXAMPLE 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))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above.

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE														
W	N	C	D	0	5	7	4	5	1	T/A	C	1	W								T/A	C	2	DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. 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))					
				FE	FR	FP	FR	FR	FR				
1	F 0 0 1	130,000	P	S	0	2							
2	F 0 0 3	39,000	P	S	0	1							
3	F 0 0 5	39,000	P	S	0	1							
4													
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25													
26													

IV. DESCRIPTION OF HAZARDOUS WASTE (continued):

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)													
F	N	C	D	0	5	7	4	5	1	2	7	0	7/4 G
											6		

V. 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).

VI. 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).

VII. FACILITY GEOGRAPHIC LOCATION					
LATITUDE (degrees, minutes, & seconds)					
29	20	--	--	--	
LONGITUDE (degrees, minutes, & seconds)					
85	20	--	--	--	

VIII. FACILITY OWNER

A. 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.

B. 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 LEGAL OWNER										2. PHONE NO. (area code & no.)									

3. STREET OR P.O. BOX										4. CITY OR TOWN										5. ST.					6. ZIP CODE				

IX. OWNER CERTIFICATION

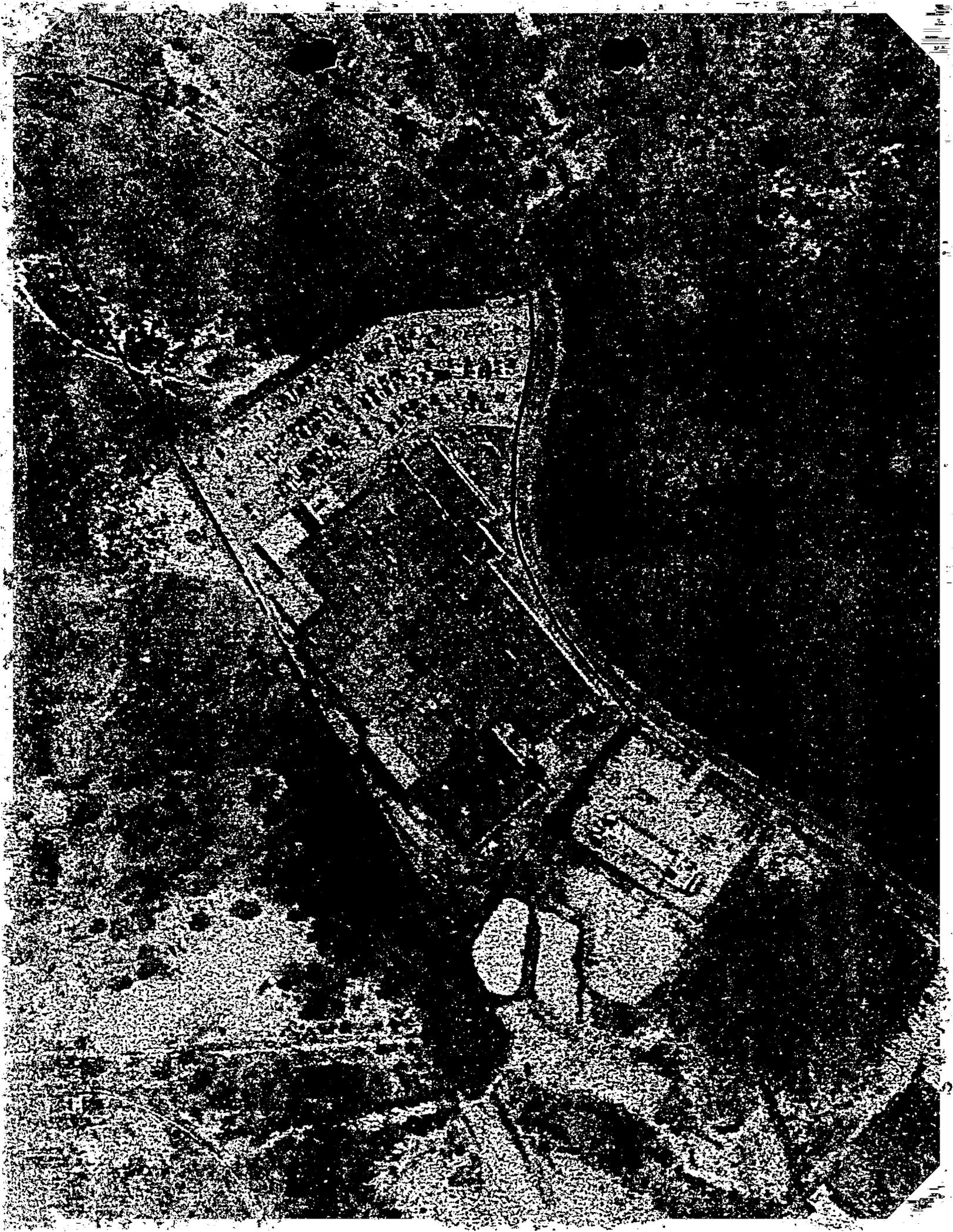
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, 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
George Schmidt Vice President and General Manager	<i>George Schmidt</i>	11-14-80

X. OPERATOR CERTIFICATION

I 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



50'x50' DRUM STORAGE AREA

EXISTING HAZARDOUS WASTE STORAGE
(2) 3000 GAL TANKS

OUT BUILDINGS

PLANT

1700'

105'

896'

1051'

THE SINGER CO.
WILMINGTON NC
APPROX SCALE 1"=105'

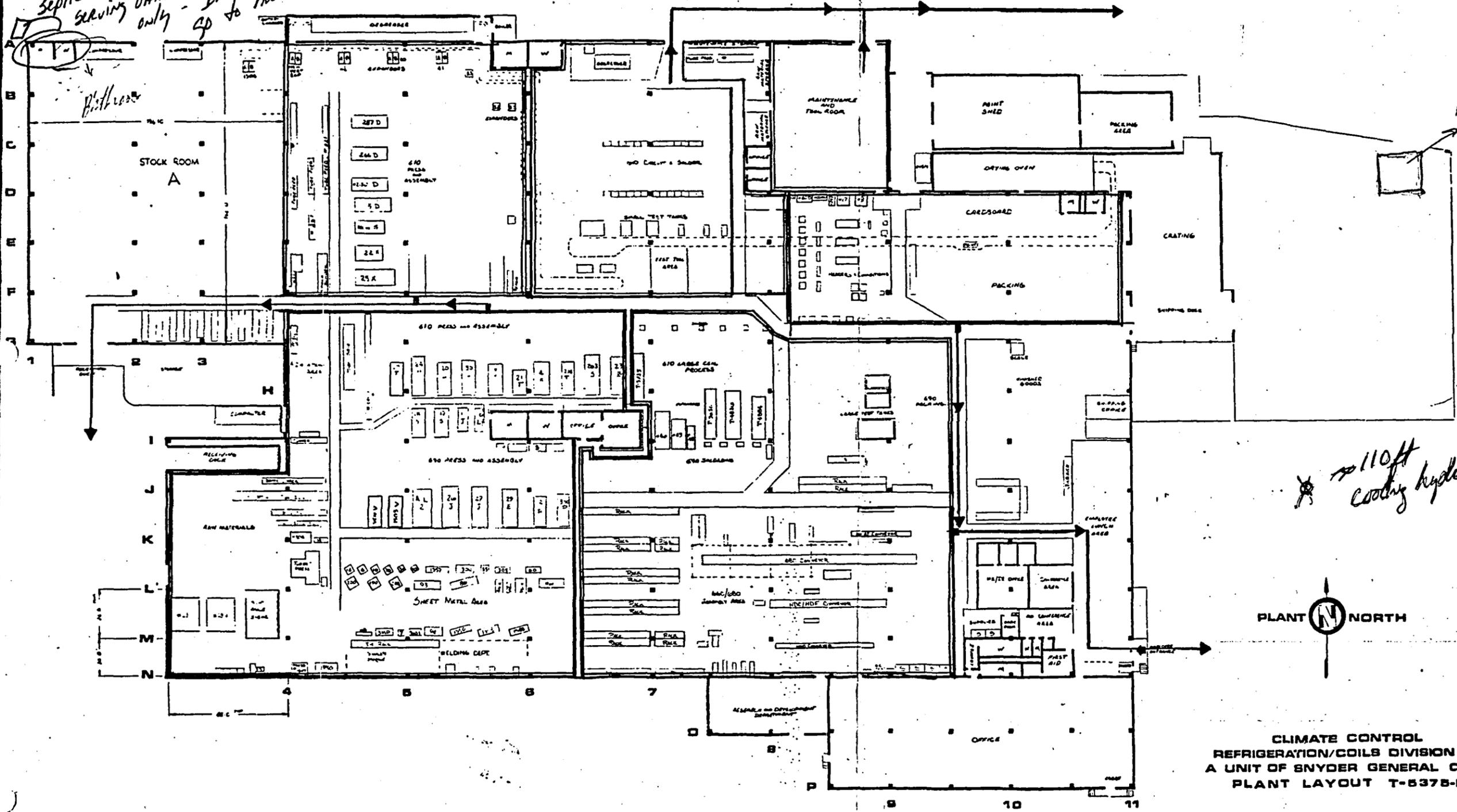
Spill site 18-83

EXCAVATED DRAINAGE DITCH

111-112 Waste Storage Tank

well > 100ft industrial use

septic system serving bathrooms only - Industrial wastewater go to municipal sewer



HAZARDOUS WASTE DRUM STORAGE PAD

110ft cooling hydraulic equipment



CLIMATE CONTROL
REFRIGERATION/COILS DIVISION
A UNIT OF SNYDER GENERAL CORP
PLANT LAYOUT T-6378-E

SCALE = 1/16" = 1'-0"
6-30-76
A) REVISED 8-20-76
B) ADDED 0-7-80
C) UPDATE 2-2-81

EVACUATION PLAN

JACK BUTLER
3012 Group



JACK Butler
3012 Group