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Site Name (Subject): STEELCASE, INCORPORATED

Site ID (Document ID): NCD062572391

Document Name (DocType): Correspondence (C)

Report Segment:  
Description: General Correspondence, 1978 - 1995

Date of Document: 8/22/1995

Date Received:

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Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

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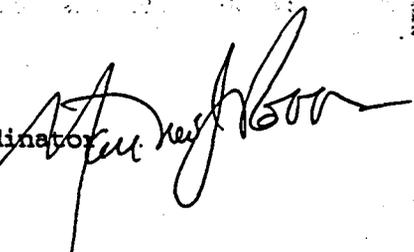
1995

DATE: August 22, 1995

DATE:

SUBJECT: REMOVAL FROM EPA'S CERCLIS INVENTORY

FROM: Matthew J. Robbins, Brownfields Coordinator  
Waste Management Division, Region IV



TO: STEELCASE INC  
CANE CREEK IND PK  
FLETCHER  
NC 28732

EPA has identified the Brownfields Initiative as one of the Agency's top priorities. The term "brownfields" refers to previously used properties that may lie vacant because potential contamination makes them unmarketable to the private sector. EPA has recently announced a comprehensive Brownfields strategy, including Pilot grants to municipalities, to stimulate economic revitalization.

One part of the strategy has been for EPA to review its complete inventory of Superfund sites. These sites have been screened and determined to require no remedial action under the Federal Superfund Program based on information available as well as on conditions and policies that currently exist. This is to notify you that EPA has removed your facility from EPA's computer inventory known as CERCLIS. THIS DOES NOT INDICATE THAT THE STATE HAS MADE A SIMILAR DETERMINATION.

If you have any questions, please call me at 404/347-5059 ext. 6214.

cc: State Agency



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

FILE COPY

RECEIVED  
JUN 13 1991  
SUPERFUND SECTION

JUN 5 1991

4WD-WPB

Ms. Pat DeRosa, Head  
North Carolina Department of Environment,  
Health and Natural Resources  
Division of Solid Waste Management  
P. O. Box 27697  
Raleigh, North Carolina 27611

Dear Ms. DeRosa:

Enclosed for your files is the **Screening Site Inspection** report prepared by the Region IV Field Investigation Team, NUS Corporation for **Steelcase, Inc (NCD062572391)**. No further remedial action under Superfund is planned for this site at this time.

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

Sincerely yours,

Deborah Vaughn-Wright  
Project Manager



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

5 February 1991

Mr. David Rinard  
Senior Environmental Engineer  
Steelcase, Inc.  
Post Office Box 1967  
Grand Rapids, MI 49501

Dear Mr. Rinard:

The Superfund Section has reviewed the revised workplan for the Site Assessment of the Steelcase Inc. facility in Fletcher, NC. We concur with your recent correspondences that indicate a desire to begin operations on this assessment as soon as possible. To this end the Superfund Section agrees with the Revised Work Plan with the following condition:

Page 6 of the Work Plan states analyses will be run for VOC's, priority pollutant metals, cyanide, temperature, and pH. The Superfund Section requests that base-neutral/acid extractables (BNA's) be analyzed for using EPA Method 625 for water and SW-846/8250 for soil as was stated in your September 8, 1989, letter from Felice Johnson and L.T. Ward.

We understand that this is an initial investigation and that additional activities will be planned based on field data. We hope this will allow work to begin as soon as possible on the site assessment. Please provide us with your schedule for operations. If you have questions or need to discuss the condition above please contact Bruce Nicholson or me at (919) 733-2801.

Sincerely,

*Lee Crosby*  
Lee Crosby, Chief  
Superfund Section

LC/bn/steelapp



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

1 February 1990

Mr. Thomas Johnson  
Health Director  
Henderson County Health Department  
1347 Spartanburg Highway  
Hendersonville, NC 28792

RE: Off-site Reconnaissances  
Steelcase, Inc. NCD 062 572 391  
Wilson, Ralph Plastics Co. NCD 093 334 209

Dear Mr. Johnson:

David Lilley of the NC Superfund Section spoke with you today to notify you that the EPA Field Investigation Team (FIT) will conduct off-site reconnaissances of the subject sites located in Henderson County, NC. The reconnaissances will be conducted on 19-20 February 1990 by Bob Tolford of NUS Corporation.

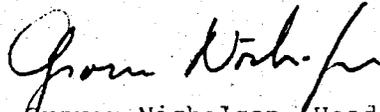
The purpose of the reconnaissances is to determine if the sites pose a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The reconnaissance team will locate all nearby water supplies (surface and groundwater, community and private)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

These reconnaissances are not emergency situations but are normal steps 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 sites. If so, please contact Bob Tolford at 1-800-888-7710 and he will coordinate a meeting. I am enclosing background data on the sites for your information.

Mr. Johnson  
2-1-90  
Page 2

If the reconnaissances indicate the need for future study of the sites, 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

# Federal

## Trip Notification & Authorization

Prepared by: David Lilla

Today's Date: 2-1-90

### Site Trip

Date of Trip: 2-19 to 2-20, 1990

If trip date changed or cancelled note below:

Trip Date Changed To: \_\_\_\_\_ Cancelled: \_\_\_\_\_

NCD#: 062 572 391

Site Name: Steelcase, Inc.

City: Fletcher

County: Henderson

Reason for Trip: off-site Reconnaissance

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: Mr. Thomas Johnson Title: Health Director  
(Note if Dr., M.P., etc.)

Telephone Number: (704) 692-4223

Project Team Leader: Bob Telford

Assistants: \_\_\_\_\_

Authorized by: David B. [Signature]  
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: Thomas Johnson  
Back Up Letter Required: Yes  No

notified Tom Johnson on 2-1-90 OBL



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

RECEIVED

FEB 02 1990

SUPERFUND SECTION

C-586-2-0-2

February 1, 1990

Mr. Grover Nicholson  
Superfund Branch  
North Carolina Department of Human Resources  
P. O. 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:

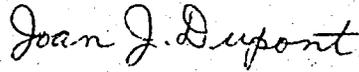
<u>Date</u>	<u>EPA ID No.</u>	<u>Site Name</u>	<u>County</u>	<u>FIT Project Manager</u>
Feb. 15	NCD980848782	Madison County Cyanide	Madison	Eric Corbin
	NCD980557987	Swannanoa Landfill	Buncombe	Eric Corbin
	NCD980558027	Pond Road Landfill	Buncombe	Jerald Tittle
	NCD062552153	Sayles-Biltmore Bleacheries	Buncombe	Jerald Tittle
Feb. 19-20	NCD062572391	Steelcase, Inc.	Henderson	Bob Tolford
	NCD093334209	Wilson, Ralph Plastics Co.	Henderson	Bob Tolford
	NCD980558803	Sultzer-Ruti, Inc.	Cleveland	Bob Tolford
Feb. 20-21	NCD089914311	Miller Brewing Co. Cont. Div.	Rockingham	Wendy Floyd
	NCD003218203	Fieldcrest Mills Inc. Blanket	Rockingham	Suzanne Bonnard
	NCD000648451	Triangle Resource Industries	Rockingham	Suzanne Bonnard
Feb. 21-22	NCD991278045	Recon Drum Co.	Columbus	Terry Ryland
	NCD080891039	Lackey Ind. Whse.	Columbus	Wendell McLendon
	NCD045924032	West Point Pepperell Lumberton	Robeson	Wendell McLendon
Feb. 26-28	NCD980600472	Macon Machine Co.	Richmond	John Jenkins
	NCD082363102	Helena Chemical Co.	Scotland	Paul Moisan
	NCD000605022	Plant Manager's Prop.	Scotland	Paul Moisan
	NCD981928013	Moore County Landfill	Moore	Eddie Vasser
	NCD060306727	Richards, W. C. Co., Inc.	Moore	Eddie Vasser

Mr. Grover Nicholson  
Superfund Branch  
North Carolina Department of Human Resources  
February 1, 1990 - page 2

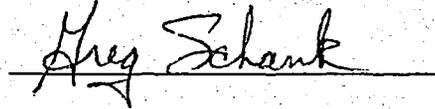
Please notify the appropriate local agencies. I appreciate your help in this matter.

Very truly yours,

Approved:



Joan J. Dupont  
Project Manager



JJD/tb

Enclosures

cc: Robert Morris  
Denise Bland

Stow & Davis  
A Division of Steelcase Inc.  
The Office Environment Company

Cane Creek Industrial Park  
P.O. Box 1389  
Fletcher, NC 28732

RECEIVED

SEP 14 1989

SUPERFUND BRANCH

September 8, 1989

Ms. Lee Crosby  
Superfund Unit  
NC Dept. of Environmental Health  
and Natural Resources  
Post Office Box 2091  
Raleigh, NC 27602-2091

Re: Voluntary Investigation at the Steelcase, Stow &  
Davis Fletcher, North Carolina, Facility under the  
North Carolina Inactive Hazardous Site Program

Dear Ms. Crosby:

Steelcase Inc. appreciated your comments and advice provided during our meeting on Thursday, August 17, 1989. The purpose of the meeting was to review existing information and Steelcase's workplan for a site investigation. Prior to the meeting, Steelcase submitted to you its proposed workplan for the investigation of the site. Steelcase voluntarily submitted the workplan in an effort to expedite the investigation of the site and reach a cooperative resolution of this matter.

As explained in the meeting, Steelcase is particularly concerned that the existing data, including the data volunteered in a 1988 inactive site questionnaire, are severally deficient for the purpose of deciding the nature and extent of any environmental releases at our Fletcher facility. At best, these data are useful in scoping the proposed site investigation described in Steelcase's workplan. In light of the inadequacy of the existing data, Steelcase has proposed a site investigation that will define the environmental impact, if any, of the suspected sources at the Fletcher facility.

Steelcase submitted its site investigation workplan to the agency in order to obtain the agency's comments, suggestions and approval for the proposed work. Steelcase wants to ensure that the work is in accord with the agency's requirements.

Ms. Lee Crosby  
September 8, 1989  
Page 2

During the meeting, the agency provided several comments, which will be addressed in the workplan and investigation as follows:

<u>Comment/Suggestion</u>	<u>Steelcase Action</u>
1. Discuss validity of existing data and data gaps.	Discussed above and will be further discussed in the assessment report.
2. Add base-neutral/acid extractable (BNA) compounds and provide list of EPA analytical methodologies.	BNAs will be analyzed in all samples and the EPA methods list is provided in the attached table.
3. Show sample locations	Sample locations will be within or directly adjacent to the suspected sources shown on Workplan Figure 2. The assessment report will show the exact locations.
4. Containerize drilling cuttings and fluids.	Steelcase will containerize drilling cuttings and fluids and will dispose of properly based on analytical results.
5. State principle of bias sampling.	The design of the preliminary assessment directs sampling and analysis of those soils and waters most likely to have been impacted from the suspected sources.
6. Describe assessment report contents.	The report will provide a review of pre-existing data, description of site assessment activities, site geology, and results of

Ms. Lee Crosby  
September 8, 1989  
Page 3

laboratory analyses.  
Recommendations for  
additional assessment  
activities to fill data gaps  
will be provided.  
Appendices will be provided  
for boring logs and  
laboratory certificates.

In response to Steelcase's request for approval of the workplan, the agency took the position that approval cannot be provided unless Steelcase enters into a Consent Order with the agency. A copy of the proposed Consent Order was provided to Steelcase at the meeting.

Steelcase believes, for several reasons, that it is inappropriate and unnecessary to require a Consent Order prior to workplan approval. First, it appears that it is premature to enter into an Order as broad as the agency's proposed Order. At this stage, Steelcase proposes a site investigation to better define the nature and extent of any contamination at the site. As described above, the existing data is believed to be inadequate for that purpose. Until new data is obtained and evaluated, it is premature to attempt to address cleanup methods and related issues. The agency's proposed Order, however, focuses extensively on cleanup issues. Consequently, it is too early to pursue such an Order.

In addition, the entry of an Order would require a period of negotiations and create unnecessary delay in the implementation of the site investigation. Steelcase is prepared to begin the site investigation work within three weeks after written approval from the agency is received. We request the agency's approval to avoid any further delays. In contrast, if negotiation of a formal Order is required, the investigation would be significantly delayed.

Steelcase also believes that the agency's concerns regarding the timing and implementation of the investigative work can be addressed at this stage without a formal Order.

Ms. Lee Crosby  
September 8, 1989  
Page 4

Steelcase, in its traditional fashion, is willing to work with the agency to develop a schedule for the work and the submission to the agency of periodic progress reports. These procedures will ensure that the agency can effectively monitor the progress and quality of the work, and yet prevent delay in the initiation of the project.

Steelcase understands that a Consent Order may be appropriate after completion of the site investigation. At this time, however, the proposed Order will create unnecessary delay without providing any benefits that are not available through other procedures.

Steelcase reiterates its willingness to voluntarily perform the proposed site investigation. Steelcase requests, however, that the agency formally approve the workplan prior to initiation of the work. In particular, Steelcase requests the approval of the appropriate branches of the agency with jurisdiction over soil issues and groundwater issues. The agency's review and approval will assist in the proper performance of the work and lead to our mutual objective to be environmentally responsible, an objective Steelcase intends to meet in order to maintain its' corporate integrity.

As noted above, we have positioned ourselves to begin work within three weeks from the date written approval is received, and we look forward to hearing from you.

Sincerely,



Felice F. Johnson  
Environmental Engineer



L. T. Ward  
Director / Administrative Services

FFJ:ls

Ms. Lee Crosby  
September 8, 1989  
Page 5

cc: Mr. Perry Nelson, Branch Chief, Groundwater Section  
Department of Environmental Management

Mr. Don Link  
Division of Environmental Management

Table 1. Summary of Analytical Methods

Parameter	Method	
	Water	Soil
Volatile Organics	EPA-624	SW-846/8240
Semi-Volatile Organics	EPA-625	SW-846/8250
Cyanide	EPA-335.3	EPA-335.3
Nitrite	EPA-354.1	EPA-354.1
Nitrate	EPA-353.2	EPA-353.2
Total Kjeldahl Nitrogen	EPA-351.3	EPA-351.3
Ammonia	EPA-350.2	EPA-350.2
Formaldehyde	EPA-8015	EPA-8015
Soil Digestion		EPA-3050
Arsenic	EPA-206.2	EPA-206.2
Selenium	EPA-270.2	EPA-270.2
Mercury	EPA-245.1	EPA-245.1
Other Metals	EPA-200.7	EPA-200.7

1 June 1989

TO: File

FROM: Jack Butler

SUBJECT: Telephone conversation with Tom Johnson, Henderson County Health Department (704/692-4223) about the Dan Murr Residential well.

Mr. Johnson was contacted on 31 May 1989 and informed of the concerns of Mr. Dan Murr for his well water. Mr. Johnson agreed to sample Mr. Murr's well after receiving bottles and written instructions from our office.

Mr. Johnson and I also discussed the Inactive Hazardous Waste Site Priority list as presented in the Annual Report published on May 25, 1989. A copy of this report is to be sent to Mr. Johnson. Cranston Print Works and Steelcase are both in this area and rank #3 and #9 respectively on the priority list.

Mr. Johnson was recontacted on June 1, 1989 to discuss the Steelcase site. Mr. Johnson was informed that the ranking for Steelcase was based on information received as part of their Inactive Hazardous Waste Sites notification. This notification indicated that ground water samples collected in 1987 and 1988 showed concentrations of Silver, Cadmium, Mercury, Lead, and Selenium to be above drinking water standards. The ground water was also shown to have elevated levels of benzene, xylene, phenanthrene, and diethyl phthalate.

JB/ds/jb.doc/p.13

31 May 1989

TO: File

FROM: Jack Butler

SUBJECT: Telephone conversation with Dan Murr, Fletcher, NC

Mr. Murr contacted our office on this date concerning his residential well. Mr. Murr is located at 360 Jackson Road, Fletcher, NC, which is between Cranston Print Works and Steelcase. Mr. Murr reported that testing of his blood revealed elevated blood lead levels and that because he is located between 2 sites on the State Inactive Hazardous Waste Sites priority list he is concerned about his well water. Mr. Murr added that his family has been using bottled water for about 2 years due to his concern about his well and past health problems he had that he feels may have come from the well water. Mr. Murr was informed that someone from the Henderson County Health Department would be contacting him in the near future to arrange sampling of his well. Mr. Murr can be reached at (704) 253-7962 (office) or (704) 684-1716 (home).

JB/ds/jb.doc/p.10



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

December 19, 1985

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

Re: Steelcase, Inc/NC D062572391  
Cane Creek Industrial Park  
Fletcher, NC

Dear Ms. Bland:

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

Steelcase is a new facility which commenced operation in 1972 as a manufacturer of wood office furniture. Waste streams generated at this plant include spent non-halogenated solvents (F003), generated at a rate of 1500 lbs/mo, Elmer's glue, and wastewater from washing treated metal parts.

From 1973 to 1984, Steelcase operated a spray field under Spray Irrigation Permit NO. 3029, issued by NC NRCD. This spray field, located on a 0.3 acre tract underlain by clay, underwent closure in 1984. According to Don Link of NRCD in Asheville, NC, water samples collected from spray field monitoring wells in May 1985 showed maximum TDS levels of 120 mg/l; these levels are nearly four times lower than those measured in 1981. Mr. Link noted that while organic constituents were not analyzed for in 1985, that metals analyses showed presence of no constituents in excess of the MCL. According to Robert Ficker, plant manager at Steelcase, EP toxicity analyses of spray field sludge show the sludge to be non-hazardous. According to Mr. Ficker, these analyses were performed by two independent laboratories.

Steelcase is also known to have operated a pit for disposing waste glue. Robert Ficker claims that Squibb's glue is non-hazardous and that the glue pit has now been covered by a large building.

Steelcase is situated on the floodplain formed by Hoopers and Cane Creek. The surrounding area has a low population density, and is used primarily for industry. Local residents are supplied chiefly by city water, and though some older buildings might continue to use private drinking wells, no wells are specifically known of.

Ms. Denise Bland  
Page 2

In the opinion of Don Link, hydrogeologist at NC NRCD, the Steelcase site does not pose an imminent threat to public health or the environment. On the basis of Mr. Link's assessment, in combination with other data and reports, it is believed that follow-up work is not immediately required at this site. Priority assigned is Low.

References are:

1. Files at the NC Solid and Hazardous Waste Mgmt. Branch, Raleigh, NC.
2. Don Link at NRCD-DEM, Asheville, NC., personal communication, 12-5-85.
3. Robert Ficker, plant manager at Steelcase, Inc., personal communication, 12-6-85.

On 19 December 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: Fay Sweat, Groundwater Section and Glen Ross, Air Quality Section.

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

Sincerely,

*D. Mark Durway*

D. Mark Durway, Geologist  
Solid and Hazardous Waste Management Branch  
Environmental Health Section

DMD/lw/0234b

FILE

 <b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT</b>				<b>I. IDENTIFICATION</b> 01 STATE   02 SITE NUMBER NC   D062572391	
<b>II. SITE NAME AND LOCATION</b>					
01 SITE NAME (Legal, common, or descriptive name of site) Steelcase, Inc.			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Cane Creek Industrial Park		
03 CITY Fletcher		04 STATE NC	05 ZIP CODE 28732	06 COUNTY Henderson	07 COUNTY CODE 45
08 CONG DIST 11					
09 COORDINATES LATITUDE 35° 26' 30"		LONGITUDE 82° 28' 30"			
10 DIRECTIONS TO SITE (Starting from nearest public road) From Asheville, drive approx. 20 miles south on US 25 to Fletcher. Turn left at Calvary Episcopal Church on Mills Gap Road. Travel approx. 1.75 miles to industrial park and find facility on left. This facility is located on the old airport property.					
<b>III. RESPONSIBLE PARTIES</b>					
01 OWNER (if known) Steelcase, Inc.			02 STREET (Business, mailing, residential) P.O. Box 1967		
03 CITY Grand Rapids		04 STATE MI	05 ZIP CODE 49501	06 TELEPHONE NUMBER (616) 247-2710	
07 OPERATOR (if known and different from owner) Steelcase, Inc.			08 STREET (Business, mailing, residential) P.O. Box 728		
09 CITY Fletcher		10 STATE NC	11 ZIP CODE 28732	12 TELEPHONE NUMBER 704 684-2241	
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> MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input type="checkbox"/> C. NONE					
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>					
01 ON SITE INSPECTION <input type="checkbox"/> YES DATE ____/____/____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		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 checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR: <u>1972</u> ENDING YEAR: _____ <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Facility is located on a large tract exceeding 100 acres. Steelcase manufactures wood office furniture. Wastestreams generated include spent non-halogenated solvents (F003) which are generated at a rate of 1500 lbs/mo., Elmers glue (which was disposed in an on-site pit prior to 1980), and wastewater from washing treated metal parts.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION From 1973 to 1984, facility spray irrigated WW on a 0.3 acre tract. Water samples from surrounding monitoring wells showed elevated TDS in 5-85 (TDS max. @ 120mg/l), but no contamination from heavy metals; analysis for organics has never been performed in wells. Don Link of NRCRD reports that neither the spray field nor the glue pit (which has now been					
<b>V. PRIORITY ASSESSMENT</b>					
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 type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
<b>VI. INFORMATION AVAILABLE FROM</b>					
01 CONTACT Robert Ficker, plant manager		02 OF (Agency/Organization) Steelcase, Inc. - Fletcher, NC		03 TELEPHONE NUMBER (704) 684-2241	
04 PERSON RESPONSIBLE FOR ASSESSMENT D. Mark Durway/Lee Crosby		05 AGENCY NC DHR/DHS	06 ORGANIZATION SHW Mgmt. Br.	07 TELEPHONE NUMBER 619 733-2178	08 DATE <u>12 05 85</u> MONTH DAY YEAR

EPA FORM 2070-12 (7-81) built over) appear to pose a threat to public health. Site is located in industrial park within an area of low population density. Local water supply is primarily from city. No known nearby drinking wells.



December 11, 1985

TO: File  
FROM: D. Mark Durway  
RE: Steelcase, Inc.  
NC D062572391

I contacted Robert Ficker, plant manager at Steelcase, on 12-6-85. He said that Steelcase is a new facility which commenced operation in 1981. Presently, the plant generates 1500 lbs/mo of spent non-halogenated solvent waste (F003), which they manifest to Mitchell systems in Spruce Pine, NC for disposal.

I told Mr. Ficker that a file document indicated that Steelcase disposed of alcohol and dye into the Henderson County Landfill at a rate of 10 to 15 barrels per week prior to 1980. The document showed that Joe Woodard of Steelcase was in charge of waste disposal when this was occurring. Mr. Ficker said that Steelcase had not disposed into the landfill, to the best of his knowledge, but that he would investigate into the matter.

I also told Mr. Ficker that documents purported that the facility operated a waste glue pit. He explained that the glue was similar to Elmer's glue, and was non-toxic. The glue pit now has a large building perched upon it, according to Mr. Ficker. Mr. Ficker also suggested that a septic system might have been used to receive the glue.

From 1973 to 1984, Steelcase operated a spray irrigation field for treating washwater generated from washing metal parts. This spray field underwent closure in 1984. As part of the closure plan, the NC NRCD required that Steelcase test spray field sludge for EP toxicity. Analyses were performed by two different independent laboratories, and are as follows:

	Reynolds, Smith, and Hill	Environmental Testing
	<u>Mg/l</u>	<u>Mg/l</u> - <i>ug/l ?</i>
Pb	0.1	50
Cr	0.02	44
As	0.011	10
Ba	0.1	159
Cd	0.01	5
Hg	0.003	0.2
Se	---	5

Organic analyses were not performed.

December 11, 1985

TO: File  
FROM: D. Mark Durway  
RE: Steelcase, Inc.  
NC D062572391

On December 5, 1985, I spoke to Don Link of NRCD-DEM in Asheville. In particular, we discussed the spray irrigation field which Steelcase operated from November 16, 1973 to January 31, 1984, under Spray Irrigation Permit No. 3029.

Mr. Link informed me that the spray field was located on the floodplain of Cane and Hoopers Creek, and was underlain by an impermeable clay, which he felt would prevent downward migration of any contaminants into aquifers underlying this clay.

According to Mr. Link, the spray field was closed in 1984, and on April 17, 1984, NRCD requested that Steelcase analyze sludge (contaminated soil?) from the spray field for EP toxicity.

Mr. Link said that several of the monitoring wells around the spray field had been destroyed during construction of a city sewer line, one of which now runs through the old spray field area. However, at least two wells remain intact. Mr. Link provided the following analyses for two wells sampled by NRCD in 1981 and 1984:

	<u>1981</u>	<u>May 1985</u>
Well #1	TDS @ 420 mg/l	TDS @ 76 mg/l
Well #2	TDS @ 440 mg/l	TDS @ 120 mg/l

I assigned the above well numbers (i.e., NRCD probably refers to them differently).

Mr. Link told me that levels of lead chromium, and cadmium, were below allowable levels in 1981 and 1984. Organics were not tested. Overall, Mr. Link ~~does not~~ believes that neither the spray field nor the Steelcase site, in general, pose a threat to public health; he suspects, however, that traces of organics could be found in the spray field area.

MD/lw/0234b-19

December 11, 1985

TO: File

FROM: D. Mark Durway

RE: Steelcase, Inc./NC D062572391

I contacted Gary Tweed of Water Quality at NRCD-DEM in Asheville on December 5, 1985. Mr. Tweed informed me that Steelcase had recently been connected to the Metropolitan Sewer System of Buncombe County.

Mr. Tweed told me that the facility's spray field (Spray Irrigation Permit No. 3029) expired in 1984, and that the old spray area had been re-graded and landscaped.

He said that monitoring wells around the spray field had not been sampled on a regular basis, and that they might be capped and abandoned.

Mr. Tweed referred me to Don Link of NRCD-DEM in Asheville for additional information on this site.

DMD/lw/0234b-17

<b>FORM 1</b> <b>GENERAL</b>		<b>EPA</b> <b>ENVIRONMENTAL PROTECTION AGENCY</b> <b>GENERAL INFORMATION</b> <i>Consolidated Permits Program</i> <i>(Read the "Owner's Instructions" before starting.)</i>		<b>EPA I.D. NUMBER</b> <b>F N C D 9 9 0 8 8 3 7 0 4</b>	
<b>LABEL ITEMS</b>		<b>EPA I.D. NUMBER</b> : 0 2 8 3 9		<b>GENERAL INSTRUCTIONS</b> If as preprinted, label has been provided, fill in the designated space. Review the information carefully. If any of it is incorrect, or through fit and enter the correct data in appropriate fill-in areas below. Also, if any of the preprinted data is absent (this area is left off the label), space lines that inform that should appear; please provide it. If people fill-in areas below, the label is complete and correct; you need not complete Items I, III, V, and VI (except VEE which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for details, time, date, time, and fill the legal authorization area which this data is collected.	
<b>III. FACILITY NAME</b> NCD990883704		<b>FACILITY MAILING ADDRESS</b> STEELCASE INC PO BOX 728 FLETCHER, NC 28732		RECEIVED EPA/REGION IV NOV 19 11 43 AM '82 ENFORCEMENT	
<b>FACILITY LOCATION</b> OFF HWY 25 FLETCHER, NC 28732					

II. POLLUTANT CHARACTERISTICS		SPECIFIC QUESTIONS	
<b>A.</b> Is this facility a publicly-owned treatment works which results in a discharge to waters of the U.S.? (FORM 20A)	<input checked="" type="checkbox"/>	<b>B.</b> Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or slaughter animal production facility which results in a discharge to waters of the U.S.? (FORM 28B)	<input checked="" type="checkbox"/>
<b>C.</b> 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 20C)	<input checked="" type="checkbox"/>	<b>D.</b> 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 20D)	<input checked="" type="checkbox"/>
<b>E.</b> Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 31)	<input checked="" type="checkbox"/>	<b>F.</b> Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing within one quarter mile of the well bore underground source of drinking water? (FORM 4)	<input checked="" type="checkbox"/>
<b>G.</b> 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)	<input checked="" type="checkbox"/>	<b>H.</b> Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	<input checked="" type="checkbox"/>
<b>I.</b> Is this facility a proposed stationary source which is one of the 287 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 a nonattainment area? (FORM 5)	<input checked="" type="checkbox"/>	<b>J.</b> Is this facility a proposed stationary source which is NOT one of the 287 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 a nonattainment area? (FORM 5)	<input checked="" type="checkbox"/>

<b>III. NAME OF FACILITY</b> STEELCASE, INC.	
---	--

<b>IV. FACILITY CONTACT</b> A. NAME & TITLE (last, first, & initial) FICKER ROBERT PLANT ENGR.		B. PHONE (area code & no.) 704 684 2241	
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<b>V. FACILITY MAILING ADDRESS</b> A. STREET OR P.O. BOX PO BOX 728		
B. CITY OR TOWN FLETCHER	C. STATE NC	D. ZIP CODE 28732

<b>VI. FACILITY LOCATION</b> A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER CANE CREEK INDUSTRIAL PARK		B. COUNTY NAME HENDERSON	
C. CITY OR TOWN FLETCHER	D. STATE NC	E. ZIP CODE 28732	F. COUNTY CODE (if known)

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

FIRST		SECOND	
7	2, 5, 2, 1 (specify) WOOD OFFICE FURNITURE		(specify)
THIRD		FOURTH	
7	(specify)		(specify)

VIII. OPERATOR INFORMATION

8 S.T.E.E.L.C.A.S.E. I.N.C.  YES  NO

9 STATUS OF OPERATOR (Enter the appropriate letter from the answer box, if "Other" specify)

FEDERAL M-PUBLIC (other than federal or state) P (specify) G PHONE (area code & number)

STATE S-PUBLIC (other than federal or state) A 7 0 4 6 8 4 2 2 4 1

PRIVATE R-PRIVATE

10 P.O. BOX 728

11 FLETCHER N C 28732 DE INDIANLAND  YES  NO

X. EXISTING ENVIRONMENTAL PERMITS

REPORTS (Discharge to Surface Water)	PERMITS (Discharge from Proposed Sources)
12 13 14	15 16 17
18 19 20	21 22 23
24 25 26	27 28 29
30 31 32	33 34 35
36 37 38	39 40 41
42 43 44	45 46 47
48 49 50	51 52 53
54 55 56	57 58 59
60 61 62	63 64 65

19 68 R 2 (specify) North Carolina Air Permit

Attach to this application a topographic map of the area covering at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it impacts both underground (include all springs, rivers and other surface water bodies in the map area. See instructions for permit requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Steelcase, Inc is a manufacture of wood office furniture. At this facility we fabricate, assembly and finish the product.

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 attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
John Ruhl, General Manager		11/18/80

COMMENTS FOR OFFICIAL USE ONLY

10 11

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
W	N	C	D	9	9	0	8	8	3	7	0	4								W									
										T/A C																			
										I																			
										2																			
										D.U.P.																			

**IV. DESCRIPTION OF HAZARDOUS WASTES (continued)**

11 21 31	A. EPA HAZARD WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES														
	12	13	14	15			1. PROCESS CODES (enter)				2. PROCESS DESCRIPTIONS (If a code is not entered in D(1))										
16	17	18	19	20	22	23	24	25	26	27	28	29	30	32	33	34	35	36	37	38	
1	F	0	1	7	58,000	P		S	0	1	D	8	0								
2	F	0	1	8	30,000	P		S	0	1	D	8	0								
3																					
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IV. DESCRIPTION OF HAZARDOUS WASTES (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	9	9	0	8	8	3	7	0	4	TIME
													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)						LONGITUDE (degrees, minutes, & seconds)					
8	2	2	8	3	0	3	5	2	6	3	0
54	55	57	59	60	71	72	74	75	76	77	79

VIII. FACILITY OWNER

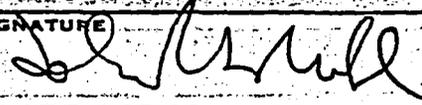
A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

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'S LEGAL OWNER						2. PHONE NO. (area code & no.)					
Steelcase, Inc.						616-247-2711					
3. STREET OR P.O. BOX						4. CITY OR TOWN					
P.O. Box 1967						Grand Rapids					
5. ST.						6. ZIP CODE					
MI						49501					

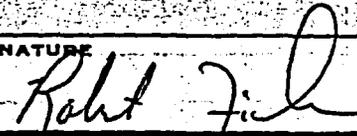
IX. OWNER CERTIFICATION

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
John Ruhl		11/18/80

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
Robert Ficker		11/19/80

<b>FORM:</b> RCRA		<b>ENVIRONMENTAL PROTECTION AGENCY</b> <b>HAZARDOUS WASTE PERMIT APPLICATION</b> <i>Consolidated Permits Program</i> <small>(This information is required under Section 3005 of RCRA.)</small>	<b>EPA I.D. NUMBER</b> ENC D 990882704
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FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	062572391

**II. FIRST OR REVISED APPLICATION**

Place an "X" in the appropriate box in A. or B. below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

**A. FIRST APPLICATION:** (place an "X" below and provide the appropriate date)

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

2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left):

YR.	MO.	DAY
72	06	01

YR.	MO.	DAY

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN:

YR.	MO.	DAY

YR.	MO.	DAY

**B. REVISED APPLICATION:** (place an "X" below and complete item 1 above)

1. FACILITY HAS INTERIM STATUS

2. FACILITY HAS A RCRA PERMIT

**III. PROCESSES - CODES AND DESIGN CAPACITIES**

**A. PROCESS CODE** - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

**B. PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<b>Storage:</b>			<b>Treatment:</b>		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the process in the space provided - Item III-C)	T04	GALLONS PER DAY OR LITERS PER DAY
<b>Disposal:</b>					
INJECTION WELL	D29	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARE			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
<b>UNIT OF MEASURE</b>	<b>CODE</b>	<b>UNIT OF MEASURE</b>	<b>CODE</b>	<b>UNIT OF MEASURE</b>	<b>CODE</b>
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	H
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	AC
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	HC
GALLONS PER DAY	U	LITERS PER HOUR	H		

**EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below):** A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C		DUP		T/A	C														
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	E		6														
1	5 0 1	11,000	G		7														
2					8														
3					9														
4					10														

**III. PROCESSES (continued)**

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). 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(s) 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 waste(s) 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 and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

**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 III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous waste 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 waste 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 pound 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 were 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

# STEELCASE INC.

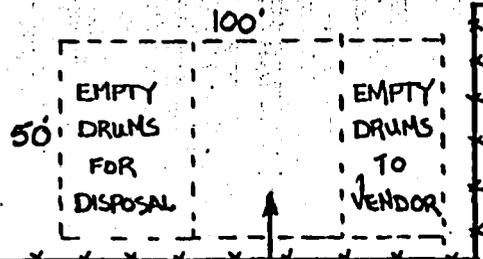
Form Approved OMB No. 158-S80004



SHIPPING DOCKS

RECEIVING DOCK

TRUCK ENTRANCE



SEALED 55 GAL. BARRELS OF HAZARDOUS WASTE FOR SHIPMENT TO APPROVED LANDFILL NOT OPERATED BY STEELCASE.

1" = 50'-0"

WE WILL STORE HAZARDOUS WASTE FOR MORE THAN 90 DAYS BUT ITS FINAL DISPOSAL WILL BE WITH AN APPROVED LANDFILL NOT ASSOCIATED WITH STEELCASE

Continued from page 4.  
V. FACILITY DRAWING (see page 4)

N

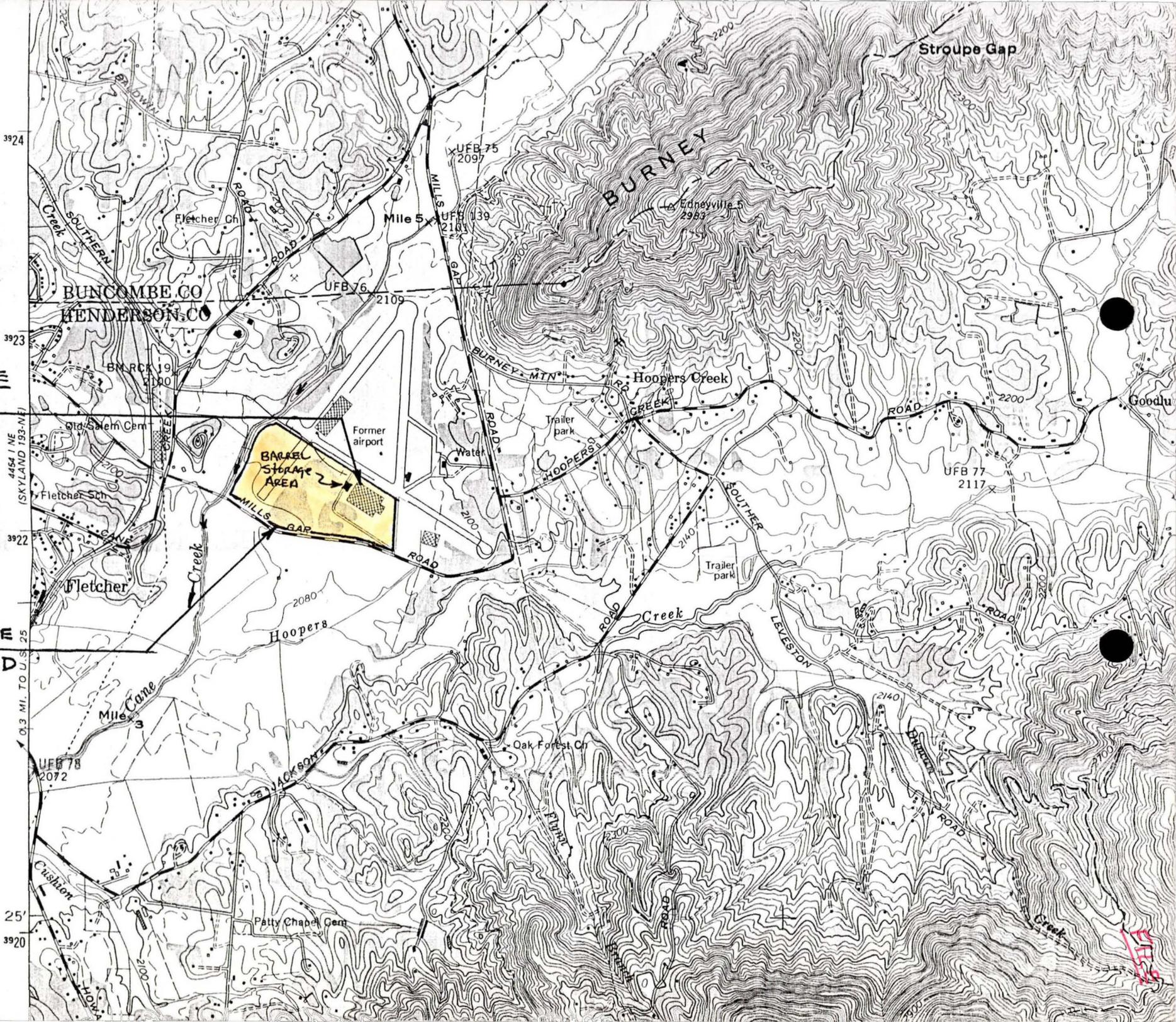
STEELCASE  
INC.

NC D062572391

Fletcher, NC

PROPERTY LINE  
SHOWN IN RED

1395 7.5'  
FRUITLAND, NC  
1965/1978



RCRA INSPECTION REPORT

FACILITY INFORMATION

Steelcase, Inc.  
Cane Creek Industrial Park  
P. O. Box 728  
Fletcher, NC 28732  
Henderson County  
EPA ID #NCD062572391

FACILITY CONTACT

Robert Ficker, Plant Engineer  
704/684-2241

SURVEY PARTICIPANTS

Robert Ficker  
J. W. Moore, Jr.

DATE OF INSPECTION

September 24, 1982  
9 - 11:30 am

APPLICABLE REGULATIONS

40 CFR 262

PURPOSE OF SURVEY

Routine RCRA interim status compliance inspection.

FACILITY DESCRIPTION

This facility manufactures and finishes wood office furniture. They generate 1500 pounds/month of spent solvent mixture (F003). The transporter of this waste is: Sparks Trucking, 811 Creekway Drive, Lenoir, NC 28645, EPA ID #NCD000608356, PH: 704/754-2332. The disposer is: Mitchell Systems, Altapass Road, Spruce Pine, NC 28777, EPA ID #NCT380010330, PH: 704/728-5931. Steelcase has the following NRCD permits:

- 1) Air Permit #1968R5
- 2) Pumping Station Permit #7034
- 3) Land Spray Permit #3029

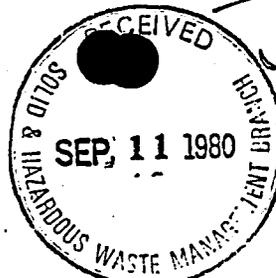
DOCUMENTATION OF SITE DEFICIENCIES

265.16	265.52(f)
265.37(3)	265.53

COMPLIANCE SCHEDULE

Correct all violations by December 1, 1982.

File v Ferris List  
copy



Henderson  
JWC

DIVISION OF ENVIRONMENTAL MANAGEMENT  
ENVIRONMENTAL OPERATIONS SECTION

September 9, 1980

Foster  
West and - no bills  
Foster Westfall  
204/253 334

Gar.

Mr. John Ruhl, General Manager  
Steelcase, Inc.  
Post Office Box 728  
Fletcher, North Carolina 28732

Subject: Notice of Violation  
Spray Irrigation System  
Steelcase, Inc.  
Henderson County, North Carolina

Dear Mr. Ruhl:

On September 2, 1980, Edward H. Duerr, Environmental Engineering Technician, and I conducted an inspection of the subject spray irrigation system serving Steelcase, Inc. Permit No. 3029 was issued to Steelcase, Inc., on November 16, 1973, and expires on January 31, 1984. The Permit covers the construction and operation of a 2,000 GPD spray irrigation system consisting of a holding tank, dual influent pumps with high water alarm, approximately 0.30 acres of bermed spray irrigation field and a timer designed to automatically alternate sprays between three fields.

The results of the inspection revealed that the spray irrigation system is not functioning properly. Wastewater was not being adequately absorbed by the spray field. Additionally, preliminary results of samples collected from groundwater monitoring wells indicate that groundwater contamination is taking place as a result of operation of the spray irrigation field.

The following instances of non-compliance are noted for your immediate attention:

- 1) The failure of the spray irrigation field is a violation of Condition No. 3 of Permit No. 3029.
- 2) Waste glue is being disposed of in an open pit for which no valid permit has been issued.

Steelcase, Inc., should take the following immediate corrective action:

- 1) Begin making daily flow measurements for volume of wastewater being pumped to spray field and submit this data to this office on a weekly basis.

Mr. John Ruhl, General Manager  
Page 2  
September 9, 1980

- 2) Cease disposing of waste glue in an unapproved open pit.
- 3) No later than September 30, 1980, provide this office with a permanent solution for the instances of non-compliance addressed in this letter.

You should also be aware that for the disposal of wastes in the State of North Carolina a permit issued through the Solid and Hazardous Waste Management Branch, Department of Human Resources, is required. Mr. O. W. Strickland at 919-733-2178 in Raleigh should be contacted with regards to this program. If you have any questions, please advise.

Sincerely,



Heath P. Dobson, P.E.  
Coordinator  
Compliance Monitoring Group

HPD/mkd

cc: ✓ Mr. O. W. Strickland  
N. C. Department of Human Resources

Mr. C. R. Froneberger, P.E.  
Blount International, Ltd.  
Noonan Engineering Division  
of South Carolina

Henderson County Health Department

POST OFFICE BOX 925

GEORGE F. BOND, JR., M. P. H.  
DIRECTOR

*Just*  
HENDERSONVILLE, NORTH CAROLINA  
2 8 7 3 9

TELEPHONE  
704-692-4223

October 30, 1978



Mr. Bill Strickland  
Solid Waste and Vector Control  
Division of Sanitary Engineering  
Department of Human Resources  
P. O. Box 2091  
Raleigh, North Carolina 27602

RE: Henderson County Landfill

Dear Mr. Strickland:

Since our last conversation, we have notified the enclosed list of industries by letter (copy enclosed) that no liquid wastes will be accepted at the landfill. As per our conversation with you, we have given them a copy of the list of companies handling exotic wastes supplied by you.

We await your comments on the operational plan we have submitted, and appreciate your time and efforts.

Sincerely,

James E. Henderson, R.S., M.S.E.H.  
Sanitarian Supervisor

JEH:mfd

Enclosure

# Henderson County Health Department

POST OFFICE BOX 925

GEORGE F. BOND, JR., M. P. H.  
DIRECTOR

HENDERSONVILLE, NORTH CAROLINA

2 8 7 3 9

TELEPHONE  
704.692.4223

October 17, 1978



Dear

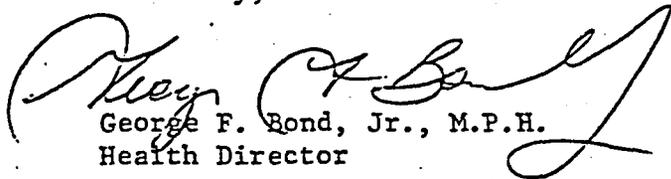
Three years ago the Henderson County Health Department assumed responsibility for the operation of the Henderson County Landfill. . . When we inherited the operation we realized that a number of industries in the Henderson County area were disposing of their commercial by-product wastes at the Landfill. We knew that new legislation was being drafted which would place a greater burden on industry in the future to find adequate disposal sites for their own hazardous wastes rather than simply transferring the problem to the county Landfill. That legislation has now been enacted and the Henderson County Landfill site has been designated as an approved site with the condition that no liquid wastes be received for disposal at the Landfill. The purpose of this letter is to inform you that effective immediately we will no longer be able to receive any type of liquid waste which might be generated by your organization. This includes liquid wastes which might have been pumped using a septic tank pump truck and transferred to the Landfill as well as those liquids which are enclosed in barrels and delivered to the Landfill. Of course we will continue to receive your non-hazardous solid wastes for disposal at no charge as in the past.

I sincerely regret the necessity of sending this letter on such short notice, but a chain of events has unfolded which precludes our giving any real advance notice to you. I recognize that our hasty decision will place an additional burden on your firm but I hope that we will be able to work with you cooperatively to solve your hazardous waste disposal needs. There appear to be two options open to your firm at this time. First, I am enclosing a list of firms which specialize in the handling of exotic wastes. You might find it economically feasible and desirable to simply make arrangements with one of these firms to handle your non-landfillable wastes. If we can be of any assistance in establishing contact with these firms please do not hesitate to call us directly. The second option which we would like to put forth is that of converting your hazardous liquid wastes to an inert landfillable waste which could then be disposed of at no cost to the county Landfill. This office does not have the expertise to make recommendations on how to convert your hazardous waste to the type of inert product mentioned; however, the State

Office of Solid Waste and Vector Control does possess this expertise and Mr. Bill Strickland with that office has promised me on the phone today that he will expedite all efforts to find ways in which your hazardous by-products may be made landfillable. He described several processes to me including one in which Portland cement was mixed with a hazardous waste binding up the dangerous chemicals contained therein with a resulting product safe for landfill purposes. I sincerely hope that the hazardous wastes generated by your firm can be converted to an inert landfillable substance such that your firm will only have to bear a nominal cost in its disposal. However, if this alternative is not chemically feasible, then I am afraid that the only option available to you will be to ship your wastes to an approved hazardous disposal site out of the state of North Carolina. Mr. Strickland of the State Solid Waste Office has informed me that the state is working very closely with a private enterprise to develop a hazardous waste disposal site in the state. Unfortunately, this site has not yet been developed and some other type of alternative disposal will have to be used in the interim.

Again I apologize for this hasty decision on the part of Henderson County in relation to the receipt of hazardous wastes at the Landfill site and I assure you that this office will work with you in any way possible to help you develop a suitable alternative for disposal of your waste. Should any questions arise I hope you will not hesitate to call me at the Health Department.

Sincerely,



George F. Bond, Jr., M.P.H.  
Health Director

GFB/sk

Enclosure

October 12, 1978

attached sent to following  
HENDERSON COUNTY LAND

ESTIMATES OF LIQUID WASTES RECEIVED

SOURCE

TYPE

VOLUMES

American Feldmuehle Corp.  
Basic Ceramics  
P.O. Box 2090  
Hillsdale, N.C.

Ceramic dust in water

Belding Hemingway Co.  
P.O. Box 130  
Hillsdale, N.C.  
Plant mgr.

Notified 10-13-78 (693-4222) James Newman  
Alcohol, dye, & water 5 barrels/wk.

Branford Wire  
P.O. Box 219  
Watauga Home, N.C. 28758  
Charles Finnermore, Gen. Mgr.

Acid Chuck Finnermore Gen. Mgr.

Cranston  
Jim De Bruell  
Hillsdale, N.C.

684-6411 ext. 204  
Dye Sludge state approved 4-6 loads/day  
(2,000 gal/load)

Daniels Packaging Company  
P.O. Box E  
Watauga Home, N.C.  
28758  
Frank Carney - Plant mgr.

Ms. Ballentine mtr eng. 693-1723  
Latex & Ammonia 3-4 barrels/90  
25 barrels/wk.

General Electric  
Fick Turner  
Engineering Systems 693-2565  
Hillsdale, N.C.

Epoxy glue, varnish, acid 25 barrels/wk

Canning Fisher  
P.O. Box 1338  
Hillsdale, N.C.

Cranston dye sludge 692-2500  
1- loads/mo.  
(1,500 gal.)

Southern Agricultural Insecticides  
P.O. Box 429  
Hillsdale, N.C.

Paul Council 692-2233  
Insecticide & herb containers 2 loads/wk.

Steel Case  
P.O. Box 728  
Hillsdale, N.C. 28732  
Joe Woodard - Industrial Eng. Mgr.

Dye & alcohol 10-15 Barrels/  
/wk

Tommy Jords 693-0711  
P.O. Box 300  
Watauga Home, N.C.  
28758