560SERBSF10,633

560SERBSF10,633

Site Name (Subject):	TRAVENOL LABS, INCORPORATED
Site ID (Document ID):	NCD059140764
Document Name (DocType):	Correspondence (C)
Report Segment:	
Description:	General Correspondence, 1986 - 1995
Date of Document:	8/22/1995
Date Received:	
Box: *Enter SF and # with no spaces*	SF10,633
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**

DATE: August 22, 1995

SUBJECT: REMOVAL FROM EPA'S CERCLIS INVENTORY

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

TO: TRAVENOL LABS INC
HWY 221 N
MARION
NC 28752

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

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

17 March 1992

Mr. Philip K. Castro
Environmental Manager
Baxter Healthcare Corporation
Post Office Box 1390
Marion, NC 28752

RE: Sampling and Anlaysis Plan
Baxter Healthcare Corporation (TRAVENOL LABS)
Marion, McDowell County

Dear Mr. Castro:

As we discussed in our phone conversation on 10 March 1992, we have reviewed the subject document and are providing the following comments:

1. Background information on monitoring wells 1, 3, 4, 5, 6 and 7 is needed (well depths, coordinates, previous sampling dates, etc.)

2. The building adjacent to MW-8 on Figure 1-2 is not shown on Figure 1-1. Does this building still exist?

3. Section 2, paragraph 2, states one temporary well will be installed, however, Section 2.2.2 talks of wells. Please clarify.

4. Table 2-1 - The container types used for specific samples should be checked. US EPA guidance requires glass containers on some samples that "polyethylene or glass containers" were proposed.

Due to the large number of sites that this office is required to review, we request more than two days to review a document and respond with comments. If there are any questions, please call our office at (919) 733-2801.

Sincerely,

John W. Walch

John W. Walch
Environmental Engineer
Superfund Section

JWW/acr

10 March 1992

MEMORANDUM

TO: File

FROM: John Walch

RE: Baxter Healthcare

Sean Roche of CH^2M HILL called to tell me that verbal approval had been given by Charlotte Jesneck in a conversation (2/17/92) prior to sending of sampling plan to this office. He referred to the note on letter of transmittal requesting we call with any questions prior to 2/24/92. Mr. Roche was told that sufficient time was not given for review. I verbally expressed comments to him; he said he will send background information on monitoring wells.

JW/acr

10 March 1992

MEMORANDUM

TO: File

FROM: John Walch

RE: Baxter Healthcare
Marion, McDowell

Philip Castro returned a call of early today. I informed Mr. Castro that the Superfund Section had not reviewed and given approval to sampling plan prior to implementation. He said the contractor (CH^2M HILL) had told him that verbal approval was given by Charlotte Jesneck. Mr. Castro was informed that approval of the work plan is provided in writing and not verbally. I told Mr. Castro the work plan has just now been reviewed and that he will receive comments on the plan. If the background information is available and samples are clean, approval may be given.

JW/acr

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

19 March 1990

Mr. Robert Morris
EPA Region IV Waste Division
EPA NC CERCLA Project Officer
345 Courtland Street, NE
Atlanta, GA 30365

Subject: Copy Request

SSI and HRS:	
American Petrofina Mktg/Greensboro	NCD 096 160 262
Travenol Laboratories	NCD 059 140 764
PA and HRS:	
Humpback Mountain Road	NCD 981 929 375
JMC Plating	NCD 115 990 574
HRS:	
Southen Desk	NCD 986 166 353

Dear Mr. Morris:

Enclosed please find copies of the subject files as per your telephone request last week.

If you have any questions, please contact me at (919) 733-2801.

Sincerely,

Pat DeRosa

Pat DeRosa, Head
CERCLA Branch
Solid Waste Management Division

cc: File

GN/db/pat.doc

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 3271

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 1
___ Surface Water (2)	___ Liquid (6)	Monitoring Well #1
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

RECEIVED
SOLID WASTE MANAGEMENT SECTION
SUPERFUND BRANCH

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		✓ Arsenic	<0.01	✓ Silver	<005
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		✓ Cadmium	<0.005	___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		✓ Chromium	0.02	___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		✓ Lead	0.04		
		___ Manganese			
		✓ Mercury	<0.0002		
		___ Nitrate			
		✓ Selenium	<0.005		

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
		___ Endrin		___ 2,4,5-TP (silvex)	
		___ Lindane			

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	

Date Received ___ Date Reported 4/19/89

Date Extracted ___ Date Analyzed 06663 AIR 401

Reported By ___ Lab Number ___

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 3272

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 2
___ Surface Water (2)	___ Liquid (6)	Process Well No. 2
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

RECEIVED APR 20 1989 HAZARDOUS WASTE MANAGEMENT SECTION

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		✓ Arsenic	<0.01	✓ Silver	<0.05
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		✓ Cadmium	<0.005	___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		✓ Chromium	<0.01	___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		✓ Lead	<0.03		
		___ Manganese			
		✓ Mercury	<0.0002		
		___ Nitrate			
		✓ Selenium	<0.005		

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
		___ Endrin		___ 2,4,5-TP (silvex)	
		___ Lindane			

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	

Date Received ___ Date Reported 4/19/89

Date Extracted ___ Date Analyzed ___

Reported By ___ Lab Number 06864 AIR 401

DHS 3191 (Revised 7/85)

DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

Chain of Custody Reco

Hazardous Waste Materials

RECEIVED APR 20 1989 SUPERFUND BRANCH SOLID WASTE MANAGEMENT SECTION

Location of Sampling: ____ Generator ____ Transporter ____ Treatment Faci
____ Storage Facility ____ Disposal Facility ____ Landfill
✓ Other: CERCLIS SITE

Company's Name Travenol Labs (Currently Baxter) Telephone (704) 756-4151

Address US Hwy 221 N. Marion NC 28752

Collector's Name [signature] Telephone (919) 733-2801
signature

Date Sampled 3/28/89 Time Sampled

Type of Process Generating Mixed Waste Paint Shop & Laboratory Waste Solvents

Field Information

~~INORGANIC SAMP~~

Groundwater samples for Inorganic Analysis

Field Sample No. 3271 3272

Chain of Possession:

1. [signature] Environmental Engineer 3/28/89 - 3/31/89
signature title inclusive dates

2. Paul J. Childers Chemist 3/31/89
signature title inclusive dates

3. ____ ____ ____
signature title inclusive dates

Results reported

____ ____ ____
signature title date

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

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 4369 BIN

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 1
___ Surface Water (2)	___ Liquid (6)	Monitoring Well #1
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		___ Cadmium		___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		___ Lead			
		___ Manganese			
		___ Mercury			
		___ Nitrate			
		___ Selenium			

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ P&T:GC/MS		___ EDB		___ Methoxychlor	
✓ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		✓ Petroleum		___ 2,4-D	
		___ Endrin		___ 2,4,5-TP (silvex)	
		___ Lindane			

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	

Date Received 3-31-89 XB Date Reported 5-23-89

Date Extracted BNA 4-3-89 XB, aa, pw, mw Date Analyzed BNA 4-17-89 BD

Reported By John L. Neal Lab Number 900866

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

#900866 - 900870

Purpose: Enforcement and compliance with the N. C. Solid and Hazardous Waste Management Rules.

Preparation A sample analyses request form (DHS 3191) must be completed for each type of evaluation requested (e.g., inorganic, organic, microbiology, radiochemistry). For sampling conditions which require more than one (1) container (i.e., ground or surface water from landfills) a sample label must be affixed to one of the containers. The collector must then write the **site** and **sample** number on the duplicate.

Do not submit an analysis request sheet with no parameters indicated.

Equivalent measurements:

$$ppm = \mu g/ml = mg/l = \mu g/g = mg/kg$$
$$ppb = \mu g/l = \mu g/1000g = \mu g/kg$$

DEFINITIONS/INSTRUCTIONS

Site Number — A twelve-digit site/location identifier, assigned only by the district field representative.

Field Sample Number — A six-digit sample identifier which is pre-printed on the sample label.

Name of Site — Name of landfill, facility, etc.

Site Location — Address, street number, state road, etc.

Collected By — Name and ID of sample collector.

Date and Time Collected — Self-explanatory.

Environmental — A sample of a naturally occurring substance such as groundwater, surface water or soils which may be contaminated.

Concentrate — A sample of a waste, including but not limited to, sludges, resins, treatment effluents or drummed wastes.

Comments — Lists details regarding sample or sample point, including but limited to, phase separation, and/or odors.

Inorganic Chemistry — Check (✓) the desired parameters to be analyzed. Extractables are only performed on a solid or semi-solid. For routine landfill samples, check all parameters in the second and third columns.

Organic Chemistry — Check (✓) the desired parameter to be analyzed. If not listed, enter the name in the space provided.

Microbiology and Radiochemistry — The Raleigh office should be consulted prior to sampling for either of these.

Distribution:

1. Original to State Laboratory of Public Health

   Environmental Sciences Branch
   P. O. Box 28047
   Raleigh, NC 27611

2. Lab sends copy to Solid and Hazardous Waste Management Branch.
3. Solid and Hazardous Waste Management Branch sends copy to field person.

Disposition: This form may be destroyed in accordance with the Environmental Health, Solid and Hazardous Waste Section of the *Records Disposition Schedule* as published by the North Carolina Division of Archives and History.

Additional forms may be ordered from:

Solid and Hazardous Waste Management Branch
Division of Health Services
P. O. Box 2091
Raleigh, NC 27602-2091

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 4370

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 1
___ Surface Water (2)	___ Liquid (6)	Monitoring Well #1
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		___ Cadmium		___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron		___	
___		___ Lead		___	
___		___ Manganese		___	
___		___ Mercury		___	
___		___ Nitrate		___	
___		___ Selenium		___	

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
✓ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
___		___ Endrin		___ 2,4,5-TP (silvex)	
___		___ Lindane		___	

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	
___	
___	

Date Received 3-31-89 YB Date Reported

Date Extracted Date Analyzed PT 5-2-89 nw

Reported By Lab Number 900867

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 4371

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 2
___ Surface Water (2)	___ Liquid (6)	Process Well #2
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		___ Cadmium		___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		___ Lead			
		___ Manganese			
		___ Mercury			
		___ Nitrate			
		___ Selenium			

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ P&T:GC/MS		___ EDB		___ Methoxychlor	
✓ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		✓ Petroleum		___ 2,4-D	
		___ Endrin		___ 2,4,5-TP (silvex)	
		___ Lindane			

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	

Date Received 3-31-89 XB Date Reported

Date Extracted BNA 4-13-89 XB, aa, mw Date Analyzed BNA 4-18-89 BD

Reported By Lab Number 900868

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 4372

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	Sample No. 2
___ Surface Water (2)	___ Liquid (6)	Process Well No. 2
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		___ Cadmium		___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		___ Lead			
		___ Manganese			
		___ Mercury			
		___ Nitrate			
		___ Selenium			

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
✓ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
		___ Endrin		___ 2,4,5-TP (silvex)	
		___ Lindane			

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	

Date Received 3-31-89 LB Date Reported

Date Extracted Date Analyzed PT 5-2-89 nw

Reported By Lab Number 900869

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

Site Number NCD059140764 Field Sample Number 4385

Name of Site TRAVENOL LABS INC Site Location McDOWELL COUNTY

Collected By BRUCE NICHOLSON ID# 59 Date Collected 3/28/89 Time

Type of Sample

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	LAB BLANK
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		___ Cadmium		___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron		___	
___		___ Lead		___	
___		___ Manganese		___	
___		___ Mercury		___	
___		___ Nitrate		___	
___		___ Selenium		___	

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
✓ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
___		___ Endrin		___ 2,4,5-TP (silvex)	
___		___ Lindane		___	

MICROBIOLOGY

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

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	
___	
___	

Date Received 3-31-89 XP Date Reported

Date Extracted Date Analyzed PT 5-2-89 mw

Reported By Lab Number 900870

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)

DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

Chain of Custody Record

Hazardous Waste Materials

Location of Sampling: ____ Generator ____ Transporter ____ Treatment Faci
____ Storage Facility ____ Disposal Facility ____ Landfill
✓ Other: CERCLIS SITE

Company's Name Travenol Labs (Currently Baxter) Telephone (704) 756-4151

Address US Hwy 221 N. Marion NC 28752

Collector's Name [signature] Telephone (919) 733-2801
signature

Date Sampled 3/28/89 Time Sampled

Type of Process Generating Mixed Waste Paint Shop & Laboratory Waste Solvents

Field Information

Ground water samples for organic analysis

Field Sample No. 4369 4370 4371 4372 4385

Chain of Possession:

	signature	title	inclusive dates
1.	[signature]	Environmental Engineer	3/28/89 - 3/31/89
2.	Lee C. Brewoot	Chem. Analyst I	3-31-89
3.			

Results reported

signature title date

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

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

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	900866	900868				
	FIELD #	4369	4371				
COMPOUND	TYPE	(1)	(1)	( )	( )	( )	( )
	UNITS	µg/l ~~µg/kg~~	µg/l ~~µg/kg~~	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
N-nitrosodimethylamine	10/330	U	U				
bis(2-chloroethyl)ether	↓	↓	↓				
2-chlorophenol							
phenol							
1,3-dichlorobenzene							
1,4-dichlorobenzene							
1,2-dichlorobenzene							
bis(2-chloroisopropyl)ether							
hexachloroethane							
N-nitroso-di-n-propylamine							
nitrobenzene							
isophorone							
2-nitrophenol							
2,4-dimethylphenol							
bis(2-chloroethoxy)methane							
2,4-dichlorophenol							
1,2,4-trichlorobenzene							
naphthalene							
hexachlorobutadiene							
4-chloro-m-cresol							
hexachlorocyclopentadiene							
2,4,6-trichlorophenol							
2-chloronaphthalene							
acenaphthylene							
dimethyl phthalate							
2,6-dinitrotoluene							
acenaphthene	↓						
2,4-dinitrophenol	50/1650						
2,4-dinitrotoluene	10/330						
4-nitrophenol	50/1650						
fluorene	10/330						
4-chlorophenylphenylether	↓						
diethyl phthalate							
4,6-dinitro-o-cresol	50/1650						
diphenylamine	↓						
azobenzene							
4-bromophenylphenylether	10/330						
hexachlorobenzene	10/330						
pentachlorophenol	50/1650						
phenanthrene	10/330						
anthracene	↓						
dibutyl phthalate							
fluoranthene							

MDL
H_2O/SOIL

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected. The number is the Minimum Detection Limit. MDL
NA - Not analyzed.
1/ - Tentative identification.
2/ - On NRDC List of Priority Pollutants.

N.C. Division of Health Services
DHS 3068-0 (4/86 Laboratory)

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

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	900866	900868				
	FIELD #	4369	4371				
COMPOUND	TYPE	(I)	(I)	(.)	( )	( )	( )
	UNITS	µg/l ~~µg/kg~~	µg/l ~~µg/kg~~	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
pyrene	10/330	u	u				
benzidine	50/1650						
butyl benzyl phthalate	10/330						
benz(a)anthracene							
chrysene							
3,3-dichlorobenzidine	50/1650						
bis(2-ethylhexyl)phthalate	10/330						
di-n-octyl phthalate	10/330						
benzo(b)fluoranthene	50/1650						
benzo(k)fluoranthene							
benzo(a)pyrene							
indeno(1,2,3-cd)pyrene							
dibenzo(a,h)anthracene							
benzo(g,h,i)perylene							
aniline	50/1650	u	u				
benzoic acid							
benzyl alcohol							
4-chloroaniline							
dibenzofuran	10/330						
2-methylnaphthalene							
2-methylphenol							
4-methylphenol							
2-nitroaniline	50/1650						
3-nitroaniline							
4-nitroaniline							
2,4,5-trichlorophenol							
HYDROCARBONS	+/-	slight (+)	(-)				

MDL
H_2O/SOIL

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected. The number is the Minimum Detection Limit. MDL
NA - Not analyzed.
1/ - Tentative identification.
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N.C. Division of Health Services
DHS 3068-0 (4/86 Laboratory)

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

ORGANIC CHEMICAL ANALYSIS

PURGEABLE COMPOUNDS	LAB NO	900867	900869	900870 lab blank			
	FIELD #	4370	4372	4385			
COMPOUND	TYPE	(1)	(1)	(4)	( )	( )	( )
	UNITS	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
chloromethane		5 ug/l	u	u	u		
bromomethane							
dichlorodifluoromethane							
vinyl chloride							
chloroethane							
methylene chloride							
trichlorofluoromethane							
ethene, 1,1-dichloro			trace				
ethane, 1,1-dichloro-			2J				
1,2-trans-dichloroethene			u				
chloroform			trace				
ethane, 1,2-dichloro-			u				
ethane, 1,1,1-trichloro-			1J				
carbontetrachloride			u				
bromodichloromethane							
propane, 1,2-dichloro-							
1,3-trans-dichloropropene							
trichloroethylene							
chlorodibromomethane							
benzene							
ethane, 1,1,2-trichloro-							
1,3-cis-dichloropropene							
2-chloroethyl vinyl ether							
bromoform							
ethane, 1,1,2,2-tetrachloro-							
ethene, tetrachloro-							
toluene							
chlorobenzene							
ethylbenzene							
acetone		5 ug/l	u	u	u		
2-butanone							
carbondisulfide							
2-hexanone							
4-methyl-2-pentanone							
styrene							
vinyl acetate							
xylenes (total)							

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected. The number is the Minimum Detection Limit.
NA - Not analyzed.
1/ - Tentative identification.
2/ - On NRDC List of Priority Pollutants.

N.C. Division of Health Services

DHS 3068-O (4/86 Laboratory)

TRIP
NOTIFICATION
& AUTHORIZATION

TODAY'S DATE: 2/22/89
PREPARED BY: Bruce Nicholson (Staff member filling out form)

SITE TRIP

DATE OF TRIP: March 8-9
If trip date changed or cancelled note below:
CHANGE OF DATE TO: 3/28/89 OR CANCELLED: _____

SITE NAME: Travenol Labs, Inc.
NCD#: NCD059140764
REASON FOR TRIP: Site Investigation Site Sampling Visit

CITY: Marion COUNTY: McDowell

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

(Please list appropriate county health person to call to advise of trip)
ENVIRONMENTAL SUPERVISOR OR
HEALTH DIRECTOR TO CALL: Mr. Clifford Fields TITLE: Health Director
(Note if Dr., M.P., etc.)
Telephone Number: (704) 652-6811

Fred Mathews
Sanitarian Supervisor
(704) 287-6105

Project Team Leader: Bruce Nicholson
Assistants: Pat Derosa

AUTHORIZED BY: [signature]
Superfund Unit Supervisor

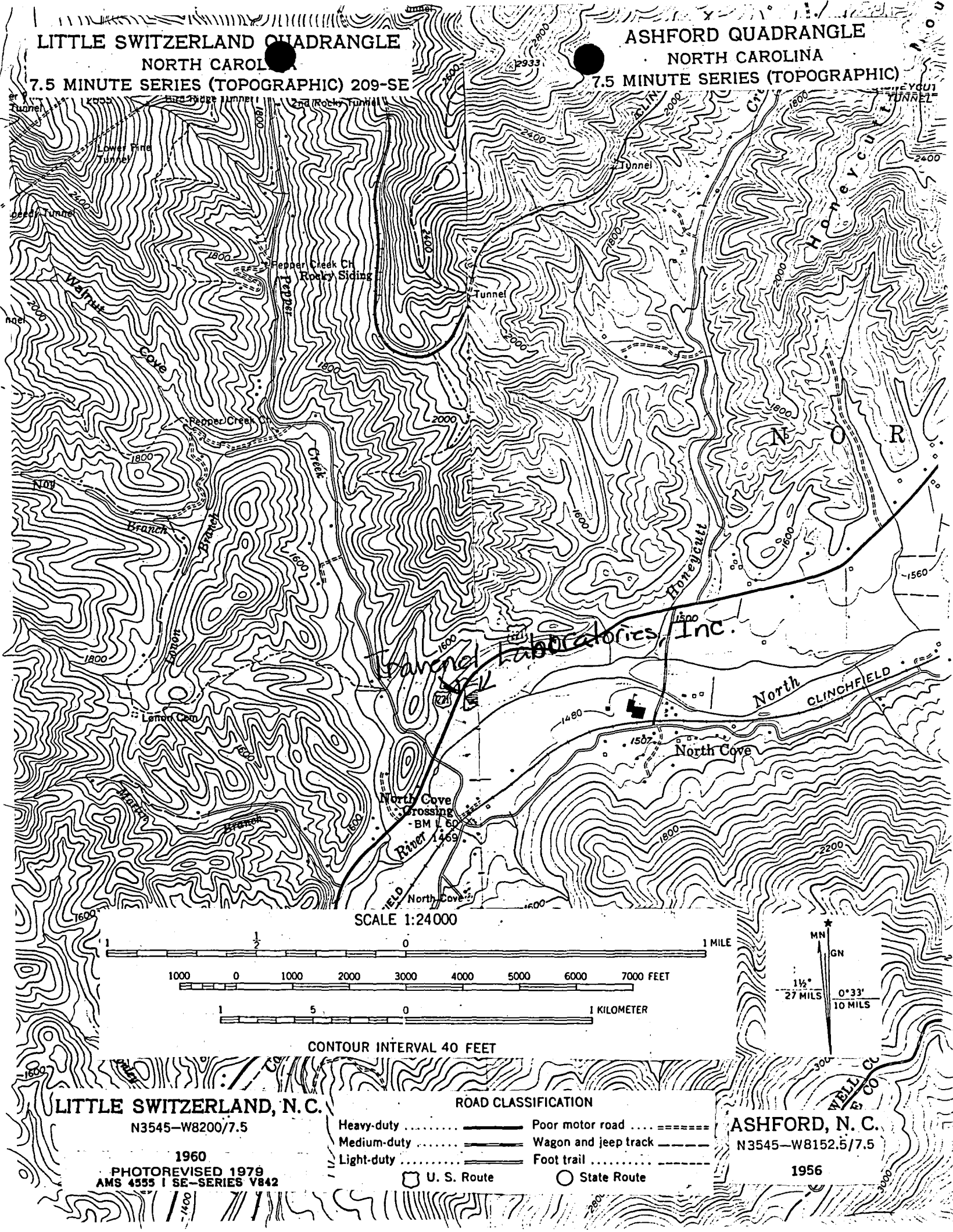
ATTACHMENT
TO NOTIFICATION FORM: 4 copies each of PRELIMINARY ASSESSMENT FORM (1st page only) NOTIFICATION FORM, & EPA TRANSMITTAL LETTER

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

NOTES:
HEALTH DEPT. OFFICIAL CONTACTED: On 23 Feb 89, g Nich. for contacted Fred Mathews.
BACK UP LETTER REQUIRED: Yes X No

Contacted Steve Metcalf & left message for Fred Mathews about change in date/time.

1/18/88


LITTLE SWITZERLAND QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC) 209-SE
ASHFORD QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)
Lower Pine Tunnel
Bird Ridge Tunnel
2nd Rocky Tunnel
Pepper Creek Ch
Rocky Siding
Tunnel
Walnut Cove
Pepper Creek
Pepper Creek Ch
Lemon Branch
Lemon Cem
Honeycutt
Honeycutt Laboratories, Inc.
North CLINCHFIELD
North Cove
North Cove Crossing
BM L 60
1469
River
North Cove
SCALE 1:24000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 40 FEET
MN
GN
1½°
27 MILS
0°33'
10 MILS
LITTLE SWITZERLAND, N.C.
N3545—W8200/7.5
1960
PHOTOREVISED 1979
AMS 4555 I SE—SERIES V842
ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Poor motor road
Wagon and jeep track
Foot trail
U. S. Route
State Route
ASHFORD, N. C.
N3545—W8152.5/7.5
1956

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
04	NC0000/0020

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (*Section II*). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Tack Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: TRAVENOL LABORATORIES, INC.

B. STREET (or other identifier): U.S. HWY. 221

C. CITY: MARION

D. STATE: NC

E. ZIP CODE: 28752

F. COUNTY NAME: McDOWELL

G. SITE OPERATOR INFORMATION

1. NAME: EDWARD J. OGLESBY, PLT. MGR.

2. TELEPHONE NUMBER:

3. STREET:

4. CITY:

5. STATE:

6. ZIP CODE:

H. ~~REALTY OWNER INFORMATION~~ (if different from operator of site)

1. NAME: CONTACT: RAYMOND T. MURPHY

2. TELEPHONE NUMBER: (312) 948-4952

3. CITY:

4. STATE:

5. ZIP CODE:

I. SITE DESCRIPTION: MEDICAL SUPPLY LAB

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.): 4/13/82

B. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☒ 4. NONE

C. PREPARER INFORMATION

1. NAME: GENE OLIVER, FIT

2. TELEPHONE NUMBER: 404-288-7711

3. DATE (mo., day, & yr.): 4/13/82

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: CHARLES LEE

2. TITLE: GEOLOGIST

3. ORGANIZATION: E&E FIT

4. TELEPHONE NO. (area code & no.): 404-288-7711

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
CHARLES LEE	FIT	
GENE OLIVER	FIT	

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
ED OGLESBY	PLT. MGR.	
PHIL CASTRO	ENV. ENGR.	

Continued From Front

III. INSPECTION INFORMATION *(continued)*

D. GENERATOR INFORMATION *(sources of waste)*

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
TRAV. LABS			

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
N/A			

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
N/A		

G. DATE OF INSPECTION *(mo., day, & yr.)*	H. TIME OF INSPECTION	I. ACCESS GAINED BY: *(credentials must be shown in all cases)*
3/29/82	1000	[X] 1. PERMISSION [ ] 2. WARRANT

J. WEATHER *(describe)*

FAIR, COOL

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN *(mark 'X')*	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER		N/A	
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER *(specify)*			

B. FIELD MEASUREMENTS TAKEN *(e.g., radioactivity, explosivity, PH, etc.)*

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
N/A		

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS
   - [ ] a. GROUND
   - [ ] b. AERIAL

2. PHOTOS IN CUSTODY OF: NONE : VETOED BY PCT. MGR.

D. SITE MAPPED?

- [ ] YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)
2. LONGITUDE (deg.-min.-sec.)

V. SITE INFORMATION

A. SITE STATUS

- [X] 1. ACTIVE (Those inductrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
- [ ] 2. INACTIVE (Those sites which no longer receive wastes.)
- [ ] 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

- [ ] 1. NO
- [X] 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres)

2.1

D. ARE THERE BUILDINGS ON THE SITE?

- [X] 1. NO
- [ ] 2. YES (specify):

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY	X	8. OTHER (specify): EVAPORATION FROM GRAVEL
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

- [ ] 1. STORAGE
- [ ] 2. INCINERATION
- [ ] 3. LANDFILL
- [ ] 4. SURFACE IMPOUNDMENT
- [ ] 5. DEEP WELL
- [ ] 6. CHEM/BIO/PHYS TREATMENT
- [ ] 7. LANDFARM
- [ ] 8. OPEN DUMP
- [ ] 9. TRANSPORTER
- [ ] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

- [X] 1. LIQUID
- [ ] 2. SOLID
- [ ] 3. SLUDGE
- [ ] 4. GAS

B. WASTE CHARACTERISTICS

- [ ] 1. CORROSIVE
- [ ] 2. IGNITABLE
- [ ] 3. RADIOACTIVE
- [X] 4. HIGHLY VOLATILE
- [ ] 5. TOXIC
- [ ] 6. REACTIVE
- [ ] 7. INERT
- [ ] 8. FLAMMABLE
- [ ] 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

NO

Continue On Reverse

Continued From Front

VII. WASTE RELATED INFORMATION *(continued)*

2. Estimate the amount *(specify unit of measure)* of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT <440	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE GALLONS	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER *(specify)*:	X (2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER *(specify)*:	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE		TRACES OF SOLVENTS USED IN CHEMICAL ANALYSIS	(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
(5) OTHER *(specify)*:		DUMPED OVER 5 YEAR PERIOD	(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER *(specify)*:
			(6) CYANIDE	(6) OTHER *(specify)*:	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER *(specify)*:		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE *(place in descending order of hazard)*

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
PYRIDINE		X				X			TRACE	
NITROBENZENE		X				X			TRACE	

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

Continued From Page 4

VIII. HAZARD DESCRIPTION *(continued)*

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

☐ F. CONTAMINATION OF GROUND WATER

☐ G. CONTAMINATION OF SURFACE WATER

Continued From Front

VIII. HAZARD DESCRIPTION *(continued)*

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

Continued From Page 6

VIII. HAZARD DESCRIPTION *(continued)*

☐ N. FIRE OR EXPLOSION

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

☐ P. SEWER, STORM DRAIN PROBLEMS

☐ Q. EROSION PROBLEMS

☐ R. INADEQUATE SECURITY

☐ S. INCOMPATIBLE WASTES

VIII. HAZARD DESCRIPTION *(continued)*

☐ T. MIDNIGHT DUMPING

☒ U. OTHER *(specify)*:

AREA NOW COVERED BY ASPHALT ACCESS ROAD WHOSE DRAINAGE RUNS TO PLANT WASTE TREATMENT SYSTEM

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS	0			
2. IN COMMERCIAL OR INDUSTRIAL AREAS	0			
3. IN PUBLICLY TRAVELLED AREAS	0			
4. PUBLIC USE AREAS *(parks, schools, etc.)*	0			

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
D. POTENTIAL YIELD OF AQUIFER	E. DISTANCE TO DRINKING WATER SUPPLY *(specify unit of measure)*	F. DIRECTION TO DRINKING WATER SUPPLY

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS ☐ 2. COMMUNITY *(specify town)*: > 15 CONNECTIONS

☐ 3. SURFACE WATER ☐ 4. WELL

Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA *(continued)*

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH *(specify unit)*	3. LOCATION *(proximity to population/buildings)*	4. NON-COMMUNITY *(mark 'X')*	5. COMMUNITY *(mark 'X')*

I. RECEIVING WATER

1. NAME

☐ 2. SEWERS ☐ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER *(specify)*:

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK *(specify below)*	'X'	C. OTHER *(specify below)*
	1. SAND				
	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH *(100,000 to 1000 cm/sec.)* ☐ C. HIGH *(1000 to 10 cm/sec.)*

☐ D. MODERATE *(10 to .1 cm/sec.)* ☐ E. LOW *(.1 to .001 cm/sec.)* ☐ F. VERY LOW *(.001 to .00001 cm/sec.)*

G. RECHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

 Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☐ YES *(summarize in this space)*

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition *(Section II)* information on the first page of this form.

CERCLA 103 (c) NOTIFICATION INSPECTION
TRAVENOL LABORATORIES, INC.
MARION, NC

General

The Travenol Laboratories, Inc. North Cove Facility, located on US Highway 221 outside Marion, NC, was inspected on the morning of March 29, 1982 by FIT members Charles Lee and Gene Oliver. Site representatives interviewed during this inspection were Phil Castro, the Plant Environmental Engineer, and Ed Oglesby, the Plant Manager.

Mr. Castro confirmed that during the period 1972 - 1977 approximately 440 gallons of general laboratory wastes containing traces of pyridine and nitrobenzene used as reagents were dumped onto a 1500 square foot area of gravel driveway behind the laboratory. These wastes were assumed to have evaporated immediately after they were dumped. Mr. Castro stated that the Travenol plant in Marion is engaged in the production of intravenous solutions for medical applications, and he showed us certificates documenting that current waste disposal is being handled by Triangle Resource Industries in Reidsville, North Carolina and by M&M Chemical Company in Gadsden, Alabama. In the past, wastes had also been disposed of by Chemical Waste Management in Emelle, Alabama.

Mr. Castro showed the inspectors the area behind the laboratory where the wastes had been dumped. This area is now part of a paved and curbed access road. Drainage from this road is channeled by underground sewers to the laboratory's waste treatment system. There was no apparent evidence of any wastes or waste residues in the area. Mr. Castro stated that the wastes had been dumped at the rate of two to three gallons at the time only.

Conclusions and Recommendations

This site presents no apparent hazardous waste related problem. The investigators recommend that no further action be initiated with regard to this site.

ecology and environment, inc.
4319 COVINGTON HIGHWAY, DECATUR, GEORGIA 30035
International Specialists in the Environmental Sciences

April 19, 1982

Mr. R. D. Stonebraker, Deputy Chief
Hazardous Emergency Response Branch
Air and Hazardous Materials Division
U.S. Environmental Protection Agency
345 Courtland Street
Atlanta, Georgia 30365

Subject: North Carolina CERCLA 103 Site Inspections
TDD No. F4-8203-07

Dear Mr. Stonebraker:

Thirty sites from 27 notifiers under CERCLA 103 (c) were submitted to Ecology and Environment Incorporated's Field Investigation Team on March 23, 1982. FIT members Charles Lee and Gene Oliver were assigned to the project.

The sites were initially screened to determine those which would require on-site inspection and those which would not. Fourteen of the sites did not require inspection for the following reasons:

1. Insufficient waste quantities;
2. Refusal by or inability of site representatives to meet with the investigators;
3. Previously initiated site studies by North Carolina State officials;
4. Absence of actual disposal at the site.

There were insufficient waste quantities to warrant further investigation for the Niagra Site in Ayden, NC; Monsanto in Research Triangle Park, NC; and East Carolina Heat Treat Service in Raleigh, NC.

Company representatives refused to furnish the locations of the sites for the two Beaunit Corporation plants in Hamilton and Clinton, NC. Owners were unable to arrange a time for the inspection of the David Starling Property in Farmville, NC.

North Carolina state officials had conducted previous groundwater studies and are presently conducting ongoing monitoring of Cooper Industries in Apex, NC; DuPont/Kinston Textiles in Kinsten, NC; and Carolina Galvanizing Corporation in Aberdeen, NC.

There was no actual disposal at the Weyerhaeuser Company in Lewiston, NC; American Petrofina in Selma, NC; Helena Chemical Company in Lewisburg and Enfield, NC; and Livewire Electric Company in Goldsboro, NC.

The remaining thirteen sites were inspected during the weeks ending April 3, 1982 and April 10, 1982. These sites include Mitchell Engineering Company and Unican Security Systems of Rocky Mount; Berkley Mills, Balfour, Travenol Laboratories, Incorporated and American Thread Company of Marion; General Electric Company Plants in Hendersonville, and Mebane; Burlington Furniture Company of Robbinsville; Union Camp Corporation of Smithfield; Burlington Industries of Neuse Branch; Stanley Furniture Company of West End; Mallinckrodt Company of Raleigh; and Monsanto Corporation of Fayetteville. Individual descriptions of these sites are included in this report.

None of the site inspections revealed any apparent problems, and as a result no further action is recommended by the investigators. It is recommended, however, that the two Beaunit Corporation plants in Hamilton and Clinton, and the David Starling property in Farmville be visited by EPA representatives.

Yours truly,

Charles H. Lee

Charles H. Lee
Project Officer

CHL/lsr

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
04	NCCCCC/0020

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition *(Section II)*. File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: TRAUENOL LABORATORIES, INC.

B. STREET *(or other identifier)*: U.S. HWY. 221

C. CITY: MARION

D. STATE: NC

E. ZIP CODE: 28752

F. COUNTY NAME: McDOWELL

G. SITE OPERATOR INFORMATION

1. NAME: EDWARD J. OGLESBY, PLT. MGR.

2. TELEPHONE NUMBER:

3. STREET:

4. CITY:

5. STATE:

6. ZIP CODE:

H. ~~REALTY OWNER INFORMATION~~ *(if different from operator of site)*

1. NAME: CONTACT: RAYMOND T. MURPHY

2. TELEPHONE NUMBER: (312) 948-4952

3. CITY:

4. STATE:

5. ZIP CODE:

I. SITE DESCRIPTION: MEDICAL SUPPLY LAB

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION *(complete this section last)*

A. ESTIMATE DATE OF TENTATIVE DISPOSITION *(mo., day, & yr.)*: 4/13/82

B. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☒ 4. NONE

C. PREPARER INFORMATION

1. NAME: GENE OLIVER, FIT

2. TELEPHONE NUMBER: 404-288-7711

3. DATE *(mo., day, & yr.)*: 4/13/82

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: CHARLES LEE

2. TITLE: GEOLOGIST

3. ORGANIZATION: E&E FIT

4. TELEPHONE NO. *(area code & no.)*: 404-288-7711

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
CHARLES LEE	FIT	
GENE OLIVER	FIT	

C. SITE REPRESENTATIVES INTERVIEWED *(corporate officials, workers, residents)*

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
ED OGLESBY	PLT. MGR.	
PHIL CASTRO	ENV. ENGR.	

Continued From Front

III. INSPECTION INFORMATION *(continued)*

D. GENERATOR INFORMATION *(sources of waste)*

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
TRAV. LABS			

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
N/A			

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
N/A		

G. DATE OF INSPECTION *(mo., day, & yr.)*	H. TIME OF INSPECTION	I. ACCESS GAINED BY: *(credentials must be shown in all cases)*
3/29/82	1000	[X] 1. PERMISSION [ ] 2. WARRANT

J. WEATHER *(describe)*

FAIR, COOL

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN *(mark 'X')*	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER		N/A	
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER *(specify)*			

B. FIELD MEASUREMENTS TAKEN *(e.g., radioactivity, explosivity, PH, etc.)*

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
N/A		

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS
   - [ ] a. GROUND
   - [ ] b. AERIAL

2. PHOTOS IN CUSTODY OF: NONE : VETOED BY PLT. MGR.

D. SITE MAPPED?

- [ ] YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)
2. LONGITUDE (deg.-min.-sec.)

V. SITE INFORMATION

A. SITE STATUS

- [X] 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
- [ ] 2. INACTIVE (Those sites which no longer receive wastes.)
- [ ] 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

- [ ] 1. NO
- [X] 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres)

2.1

D. ARE THERE BUILDINGS ON THE SITE?

- [X] 1. NO
- [ ] 2. YES (specify):

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY	X	8. OTHER (specify): EVAPORATION FROM GRAVEL
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

- [ ] 1. STORAGE
- [ ] 2. INCINERATION
- [ ] 3. LANDFILL
- [ ] 4. SURFACE IMPOUNDMENT
- [ ] 5. DEEP WELL
- [ ] 6. CHEM/BIO/PHYS TREATMENT
- [ ] 7. LANDFARM
- [ ] 8. OPEN DUMP
- [ ] 9. TRANSPORTER
- [ ] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

- [X] 1. LIQUID
- [ ] 2. SOLID
- [ ] 3. SLUDGE
- [ ] 4. GAS

B. WASTE CHARACTERISTICS

- [ ] 1. CORROSIVE
- [ ] 2. IGNITABLE
- [ ] 3. RADIOACTIVE
- [X] 4. HIGHLY VOLATILE
- [ ] 5. TOXIC
- [ ] 6. REACTIVE
- [ ] 7. INERT
- [X] 8. FLAMMABLE
- [ ] 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

NO

Continue On Reverse

Continued From Front

VII. WASTE RELATED INFORMATION *(continued)*

2. Estimate the amount *(specify unit of measure)* of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT 2440	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE GALLONS	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER *(specify)*:	X (2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER *(specify)*:	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE		TRACES OF SOLVENTS USED IN CHEMICAL ANALYSIS DUMPED OVER 5 YEAR PERIOD	(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
(5) OTHER *(specify)*:			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER *(specify)*:
			(6) CYANIDE	(6) OTHER *(specify)*:	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER *(specify)*:		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE *(place in descending order of hazard)*

1. SUBSTANCE	2. FORM *(mark 'X')*			3. TOXICITY *(mark 'X')*				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
PYRIDINE		X				X			TRACE	
NITROBENZENE		X				X			TRACE	

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

Continued From Page 4

VIII. HAZARD DESCRIPTION *(continued)*

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

☐ F. CONTAMINATION OF GROUND WATER

☐ G. CONTAMINATION OF SURFACE WATER

Continued From Front

VIII. HAZARD DESCRIPTION *(continued)*

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

Continued From Page 6

VIII. HAZARD DESCRIPTION *(continued)*

☐ N. FIRE OR EXPLOSION

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

☐ P. SEWER, STORM DRAIN PROBLEMS

☐ Q. EROSION PROBLEMS

☐ R. INADEQUATE SECURITY

☐ S. INCOMPATIBLE WASTES

VIII. HAZARD DESCRIPTION *(continued)*

☐ T. MIDNIGHT DUMPING

☒ U. OTHER *(specify)*:

AREA NOW COVERED BY ASPHALT ACCESS ROAD WHOSE DRAINAGE RUNS TO PLANT WASTE TREATMENT SYSTEM

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS	0			
2. IN COMMERCIAL OR INDUSTRIAL AREAS	0			
3. IN PUBLICLY TRAVELLED AREAS	0			
4. PUBLIC USE AREAS *(parks, schools, etc.)*	0			

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
D. POTENTIAL YIELD OF AQUIFER	E. DISTANCE TO DRINKING WATER SUPPLY *(specify unit of measure)*	F. DIRECTION TO DRINKING WATER SUPPLY

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS ☐ 2. COMMUNITY *(specify town)*: > 15 CONNECTIONS _____

☐ 3. SURFACE WATER ☐ 4. WELL

 Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA *(continued)*

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH *(specify unit)*	3. LOCATION *(proximity to population/buildings)*	4. NON-COMMUNITY *(mark 'X')*	5. COMMUNITY *(mark 'X')*

I. RECEIVING WATER

1. NAME

☐ 2. SEWERS ☐ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER *(specify)*:

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK *(specify below)*	'X'	C. OTHER *(specify below)*
	1. SAND				
	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH *(100,000 to 1000 cm/sec.)* ☐ C. HIGH *(1000 to 10 cm/sec.)*

☐ D. MODERATE *(10 to .1 cm/sec.)* ☐ E. LOW *(.1 to .001 cm/sec.)* ☐ F. VERY LOW *(.001 to .00001 cm/sec.)*

G. RECHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

 Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☐ YES *(summarize in this space)*

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition *(Section II)* information on the first page of this form.

Date: January 29, 1982

County: McDowell

Notifier's name and address: Edward J. Oglesby

P.O. Box, Marion, N.C. 28752

Contact's name: Raymond T. Murphy (312) 948-4952

Site name and address: Travenol Laboratories, Inc.

Highway 221 N.

Site location: Marion

McDowell County

Type of waste: pyradine and nitrobenzene

What process generated the waste? general laboratory wastes

Volume of waste: 440 gallons

Method of storage or disposal: poured onto 1500 sq. ft. gravel driveway in oil unloading area and allowed to evaporate

Dates of waste activity: 1972 - 1977

Site history: 440 gallons of general laboratory waste containing pyradine and nitrobenzene were disposed of by spreading the waste over a 1500 square foot area of graveled driveway, on site, where it was allowed to evaporate.

NCD 059140764
GEN

?

*The preceding information is based on preliminary data supplied by the Environmental Protection Agency, and not on detailed site investigations.

CERCLA 103 (c) NOTIFICATION INSPECTION
TRAVENOL LABORATORIES, INC.
MARION, NC

General

The Travenol Laboratories, Inc. North Cove Facility, located on US Highway 221 outside Marion, NC, was inspected on the morning of March 29, 1982 by FIT members Charles Lee and Gene Oliver. Site representatives interviewed during this inspection were Phil Castro, the Plant Environmental Engineer, and Ed Oglesby, the Plant Manager.

Mr. Castro confirmed that during the period 1972 - 1977 approximately 440 gallons of general laboratory wastes containing traces of pyridine and nitrobenzene used as reagents were dumped onto a 1500 square foot area of gravel driveway behind the laboratory. These wastes were assumed to have evaporated immediately after they were dumped. Mr. Castro stated that the Travenol plant in Marion is engaged in the production of intravenous solutions for medical applications, and he showed us certificates documenting that current waste disposal is being handled by Triangle Resource Industries in Reidsville, North Carolina and by M&M Chemical Company in Gadsden, Alabama. In the past, wastes had also been disposed of by Chemical Waste Management in Emelle, Alabama.

Mr. Castro showed the inspectors the area behind the laboratory where the wastes had been dumped. This area is now part of a paved and curbed access road. Drainage from this road is channeled by underground sewers to the laboratory's waste treatment system. There was no apparent evidence of any wastes or waste residues in the area. Mr. Castro stated that the wastes had been dumped at the rate of two to three gallons at the time only.

Conclusions and Recommendations

This site presents no apparent hazardous waste related problem. The investigators recommend that no further action be initiated with regard to this site.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NCD	059140764

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
TRAVENOL LABS INC	Hwy 221 N

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
MARION	NC	28752	McDowell	056	11

09 COORDINATES LATITUDE ___ ___ ___.___ LONGITUDE ___ ___ ___.___

10 DIRECTIONS TO SITE (Starting from nearest public road)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
			( )

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ___ / ___ / ___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___ / ___ / ___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES DATE ___ / ___ / ___ (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)

CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)

☐ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

BEGINNING YEAR _____ ENDING YEAR _____ ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
		( )

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
			( )	___ / ___ / ___ (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
ICC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

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

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

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

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

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

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

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

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

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

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

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

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

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

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

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

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

ENVIRONMENTAL PROTECTION AGENCY
NOTIS DATA MANAGEMENT SYSTEM

NOTIS REPORT #4 — LISTING BY FACILITY — REPORT DATE: 10/20/81
REGION: 04 STATE: NC

NOTIFICATION ID NO.	SITE NAME / SITE STREET / SITE CITY / SITE COUNTY / EPA SITE ID NO.	NOTIFIER NAME / NOTIFIER STREET / NOTIFIER CITY / (CONTACT NAME/TITLE) / (CONTACT PHONE)	STATE	ZIP	NOTIFIER STATUS (PRES OWN, PAST OWN PRES OP, PAST OP TRANSPORTER, VOLUNTEER)
NCS000001160	TRAVENOL LABORATORIES, INC HWY 221 N MARION MCDOWELL NCD059140764	EDWARD J. OGLESBY P.O. BOX 1390 MARION (MURPHY, RAYMOND T. (312-948-4952)	NC	28752 28752)	PRES OWN PAST OP

RELEASES TO THE ENVIRONMENT: KNOWN — DATES OF WASTE HANDLING: 1972 TO 1977

WASTE AMOUNT: 440 GALLONS — AREA: 1,500 SQ FT — MAP PRESENT: YES — FORM TYPE: 8900-1

NOTIF. POSTMARKED DATE: 81/06/09 — SIGNATURE PRESENT: YES — DATE OF LAST UPDATE: 81/10/14

TYPE OF FACILITY	TYPES OF WASTES	SOURCES OF WASTE
LAND TREATMENT	ORGANICS SOLVENTS	CHEMICALS, GENERAL

COMMENTS	SEQ NO.
SEE FILE	1

Travenol Labs Site

PWID	PWMANAME	PWMAARCO	PWMAPNUM	PWPLSOC1	PWPLPOPL	PWPLTYPE	PWPLACTV	PWPLLAT1	PWPLLON1
0100010	BURNSVILLE WATER TRTMT PLT	704	6822420	S	000002000	C	A	0355232	0821643
0100103	MT MITCHELL LANDS	704	8984348	G	000000300	C	A	0354620	0821215
0100104	MT MITCHELL LANDS WEST	704	8984348	G	000000200	C	A	0354610	0821230
0100417	MT. MITCHELL BAPTIST CHURCH	704	6754692	G	000000145	N	A	0354620	0821130
0100425	CLEAR CREEK CAMPGROUND	704	6754510	G	000000150	N	A	0354650	0821755
0100435	ROBINSON BROTHERS S S	704	6754011	G	000000030	N	A	0355230	0821730
0100446	BANK CREEK UNION CH		0000000	G	000000050	N	A	0355325	0822240
0100452	LOW GAP FWB CHURCH	704	6826609	G	000000080	N	A	0355240	0821730
0100454	TOE RIVER RANCH CAMPGROUND	704	6822110	G	000000050	N	A	0355325	0821200
0100459	ARTHUR MORGAN SCHOOL	704	6754262	G	000000040	N	A	0354900	0821100
0100484	TIP OF THE TOE RESTAURANT	704	6754996	G	000000025	N	A	0354835	0821200
0100485	MT. COVE CAMP GROUND	704	6755862	G	000000050	N	A	0354630	0821055
0100486	MT MITCHEL GOLF CLUB	704	6754923	G	000000100	N	A	0354710	0821745
0100487	MT MITCHELL STATE PARK	704	6754611	S	000000100	N	A	0354603	0821600
0100488	SOUTH TOE ELEM SCHOOL	704	6754321	G	000000212	N	A	0354915	0821120
0100491	CRAB TREE MEADOWS	704	2590712	G	000000200	N	A	0354740	0821030
0100492	MT. MITCHELL LODGE INC.	704	6755011	G	000001000	N	A	0354628	0821200
0100494	CAROLINA HEMLOCKS CMPGP	704	6826146	G	000000708	N	A	0354800	0821226
0100495	HICKORY SPRINGS MANUFACTURING	704	6784101	G	000000065	N	A	0355230	0821330
0111440	PINEY MTN BAPTIST CHURCH	704	6892314	G	000000125	N	A	0354620	0823130
0111442	D & D GROCERY	704	6269894	G	000000063	N	A	0354700	0822920
0111447	BILLIE KAY APPAREL	704	6455615	G	000000065	N	A	0354600	0823300
0111450	IVY HILL BAPTIST CHURCH	704	6456457	G	000000080	N	A	0354700	0822912
0111451	LOCUST GROVE BAPTIST CHURCH	704	6455872	G	000000090	N	A	0354630	0823350
0111457	COLLEGE INN	704	6459053	G	000000040	N	A	0354640	0823240
0111459	WHEELERS GROCERY	704	6262508	G	000000051	N	A	0354630	0822730
0111460	OHIO ELECTRIC MOTORS	704	6262901	G	000000100	N	A	0354630	0822730
0111470	BARNARDSVILLE CHURCH OF GOD	704	6262625	G	000000086	N	A	0354630	0822730
0111472	BARNARDSVILLE ELEMENTARY	704	6262930	G	000000360	N	A	0354630	0822030
0111474	BARNARDSVILLE FREE WILL BAPTIS	704	6262542	G	000000060	N	A	0354630	0822730
0111475	BARNARDSVILLE UNITED METHODIST	704	6262470	G	000000071	N	A	0354630	0822730
0111478	BARNADSVILLE BAPTIST CHURCH	704	6262680	G	000000075	N	A	0354630	0822730
0112426	SOUTH MOUNTAIN INC	704	5841105	G	000000060	C	A	0354625	0815515
0112427	OAK GROVE BAPT CH	704	5843216	G	000000260	N	A	0354630	0815530
0156101	AMERICAN THREAD PLANT	704	7564111	S	000000026	C	A	0354738	0820112
1 0156112	SWISS VILLAGE WTR SYST	704	7659712	G	000000160	C	A	0355100	0820345
2 0156117	SCENIC MOBILE HOME VILLAGE	704	4521625	G	000000096	C	A	0354846	0820117
3 0156128	WOODLAWN HEIGHTS WATER SYSTEM	704	4782785	G	000000315	C	A	0354740	0820215
0156431	SKYLINE HOTEL AND RESTAURANT	704	7659394	G	000001000	N	A	0355110	0820400
0156441	NORTH COVE BAPTIST CHURCH		0000000	G	000000060	N	A	0354920	0820011
0156443	NORTH COVE CHURCH OF GOD	704	7564973	G	000000065	N	A	0355230	0815730
0156444	CONCORD METH CH		0000000	G	000000100	N	A	0355250	0815610
0156461	TONY'S TEXACO	704	7564551	G	000000350	N	A	0354800	0820200
4 0156466	NORTH COVE ELEMENTARY SCHOOL		0000000	G	000000185	N	A	0355010	0815845
0156492	TRAVENOL LABORATORIES INC.	704	7564151	G	000002300	N	A	0355030	0815900
0156516	THE CHALET	704	7654089	G	000000350	N	A	0355110	0820550
0156527	WOODLAWN WORK CENTER	704	6522144	G	000000045	N	A	0355230	0820730
0158015	MARSHALL, TOWN OF	704	6493031	G	000001000	C	A	0354800	0824100
0158025	FAIRVIEW WATER ASSOC	704	6227392	G	000000050	C	A	0355350	0825145
0158101	BALD MOUNTAIN DEV CORP	704	6894111	G	000000336	C	A	0355340	0825135
0158402	WALNUT SCHOOL	704	6492636	G	000000180	N	A	0355130	0824530
0158403	ENON BAPT CH		0000000	G	000000075	N	A	0355145	0824215
0158405	L & M MARKET	704	6892541	G	000000100	N	A	0354930	0823015
0158411	ROCK BLUFF RECREATION AREA	704	6223202	G	000000060	N	A	0355245	0825030

7/17/89 GRID--0354600/0355400-0815500/0825430 PAGE 0002

PWID	PWMANAME	PWMAARCO	PWMAPNUM	PWPLSOC1	PWPLPOPL	PWPLTYPE	PWPLACTV	PWPLLAT1	PWPLLON1
0158415	BEECH GLEN BAPT CH		0000000	G	000000075	N	A	0354830	0823115
0158418	LITTLE IVY BAPT CH		0000000	G	000000095	N	A	0355145	0823215
0158420	PAINT FORK BAPT CH		0000000	G	000000045	N	A	0355030	0823015
0158422	WALNUT FREE WILL BAPT CH		0000000	G	000000035	N	A	0355115	0824445
0158424	DAVIS CHAPEL BAPT CH		0000000	G	000000040	N	A	0354830	0824330
0158426	IVY FISH & STEAK HOUSE	704	6893838	G	000000100	N	A	0355145	0823215
0158427	MADISON SEMINARY CH		0000000	G	000000065	N	A	0354915	0823945
0158429	WALNUT CLINIC	704	6493500	G	000000028	N	A	0355130	0824530
0158432	HOPEWELL MISSIONARY BAPT CH		0000000	G	000000080	N	A	0355215	0824515
0158434	SPRING CREEK SCHOOL	704	6223485	G	000000117	N	A	0354610	0825230
0158439	WALNUT CR BAPT CH		0000000	G	000000100	N	A	0355015	0824145
0158443	MARSHALL MNT YD(DOT)	704	2536721	G	000000076	N	A	0354835	0824210
0161101	ALTAPASS WATER ASSOC		0000000	G	000000140	C	A	0355335	0820430
0161104	SWISS PINE LAKES	704	7654740	G	000000150	C	A	0355340	0820435
0161408	GILLESPIE GAP MAINTENANCE	704	2590712	G	000000100	N	A	0355110	0820230
0161413	BUCHANAN RECREATION PARK	704	7656850	G	000000100	N	A	0355058	0821519

population

G = ground
S = surface

C = community
N = non-community

RECEIVED
JUL 18 1989
SUPERFUND BRANCH

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

James G. Martin, Governor
David T. Flaherty, Secretary

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

23 February 1989

Mr. Fred Matthews
Sanitarian Supervisor
McDowell County Health Department
1210 State Street
Marion, NC 28752 Courier 691

RE: Site Investigation of Travenol Labs, Inc
NCD059140764
(704) - 287-6101
(704) - 287-6233

Dear Mr. Matthews:

Grover Nicholson of the NC Superfund Branch spoke with you today to notify you that the NC Superfund Branch will conduct a site investigation of Travenol Labs, Inc. located at US 221 North, Marion, NC. The investigation will be conducted on 8-9 March 1989 by Bruce Nicholson and Pat DeRosa of the NC Superfund Branch.

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

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

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

Sincerely,

Lee Crosby

Lee Crosby, Head
Superfund Branch
Solid Waste Management Section

Enclosures

cc: Gordon Layton
Gary Babb
Steve Reid
Lois Walker
Ann Rudd
Grover Nicholson

LC/db/5.doc

TRIP
NOTIFICATION
& AUTHORIZATION

TODAY'S DATE: 2/22/89
PREPARED BY: Bruce Nicholson (Staff member filling out form)

SITE TRIP

DATE OF TRIP: March 8-9
If trip date changed or cancelled note below:
CHANGE OF DATE TO:_____ OR CANCELLED:_____

SITE NAME: Travenol Labs, Inc.
NCD#: NCD059140764
REASON FOR TRIP: Site Investigation Site Sampling Visit

CITY: Marion COUNTY: McDowell

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

(Please list appropriate county health person to call to advise of trip)
ENVIRONMENTAL SUPERVISOR OR
HEALTH DIRECTOR TO CALL: Mr. Clifford Fields TITLE: Health Director
(Note if Dr., M.P., etc.)
Telephone Number: (704) 652-6811 Fred Mathews Sanitarian Supervisor

Project Team Leader: Bruce Nicholson (704) 287-6105
Assistants: Pat Derosa

AUTHORIZED BY: [signature]
Superfund Unit Supervisor

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

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

NOTES:
HEALTH DEPT. OFFICIAL CONTACTED: On 23 Feb 89, g Nich. for
BACK UP LETTER REQUIRED: Yes X No
contacted Fred Mathews.

1/18/88

PADS 5/8/86

PRELIMINARY ASSESSMENT DOCUMENTATION SHEET

Hours worked by Pat DeRosa (Staff member)

Date Preliminary Assessment Completed 4th Qtr. '86

SITE NAME Travenol Labs

ID# MCD 059140764

Round-off to nearest hour

	DATE/YR	HRS./TASK
I. GATHERING SITE INFORMATION		
II. REVIEW & EVALUATE DATA		
III. DRAFT PA REPORT		
IV. SITE REVIEW MEETING		
V. SUPERVISOR REVIEW AND CONCURRENCE PA review	5-16-86	1.5

TOTAL HOURS ON PA: 1.5

ADMINISTRATION - Code 45:

TYPE COPY AND FILE	3 hrs
GENERAL ADMINISTRATION & DATA PROCESSING	2 hr

ELIMINARY ASSESSMENT DOCUMENTATION SHEET

TE NAME Travenol Labs Inc. ID# NCD059140764

AFF MEMBER Cheryl A. McMorris

	DATE/YR	HRS./TAS
GATHERING SITE INFORMATION	4/15/86	2 hrs.
	4/16/86	3 hrs.
. REVIEW & EVALUATE DATA	4/17/86	3 hrs
I. DRAFT PA REPORT	4/17/86	3 hrs.
/. SITE REVIEW MEETING JPERVISOR REVIEW AND CONCURRENCE	6/2/86	1.5 hr.

TOTAL HOURS ON PA: 12.5

DMINISTRATION - CODE 45:

V. TYPE COPY AND FILE 3 HRS

I. GENERAL ADMINISTRATION & DATA PROCESSING 2 HR

I82B

4/15/86	2 hours
4/16/86	3 hours
4/17/86	6 hours

ITE NAME Travenol Labs Inc. ID# NCD059140764

TELEPHONE CALLS (FOR PA OR SI DOCUMENTATION)

TE	TO/FROM (COMPANY)	PERSON CONTACTED
4/15/86	Bakersville, N.C./SHW MgMt. Br.	Keith Masters
4/16/86	Marion, N.C./SHW MgMt. Br.	Phil Castro (Travenol labs)

16 April 1986

TO: File

FROM: Cheryl A. McMorris CAM

RE: Telephone conversation with Mr. Phil Castro, [(704) 746-4151], of Travenol Laboratories, Inc. NC D059140764.

In our telephone conversation Mr. Castro confirmed that Travenol Laboratories manufactures glucose, salt solutions, and other intravenous solutions for hospitals. The company started operating at this site in 1972. The facility was newly constructed, and Travenol Labs has been the sole occupant.

The majority of the hazardous waste generated at the facility is paint and cleaning solvents waste. This waste is generated through touch up painting of the building and equipment. Included in this hazardous waste are varsol solvents, turpentine, and xylene. The company also operates a laboratory which generates a small amount of laboratory solvent waste. Approximately 4,000 gallons of hazardous waste (paint and laboratory waste) was generated in 1985. The waste is stored in 55 gallon drums on the outside of the building in a hazardous waste shed. The lab waste is then manifested to Pinewood, SC for disposal, and the paint solvents are shipped to Oldover in Virginia for incineration. The company has been employing these waste disposal methods since 1980. Prior to 1980 the laboratory chemicals and waste were kept in a warehouse on the site. Between 1972 and 1977 the paint solvent waste was evaporated outside of the building. The waste was poured in a small graveled area and allowed to evaporate into the air. Mr. Castro said approximately 440 gallons of the waste was disposed of in this manner. Between 1977 and 1980 the paint waste was accumulated and kept on site. Mr. Castro voluntarily notified under CERCLA on April 29, 1981 and told of the company's past waste disposal practices. He said the site was inspected on March 29, 1982 by EPA contractors. According to Mr. Castro, the inspectors did not find contamination in the area of the past waste disposal site, or anywhere else on the site.

There are five underground storage tanks on site. Four of the tanks were installed in 1972 and one tank was installed approximately four years ago. Three of the four tanks installed in 1972 contain number six fuel oil and the other tank contains gasoline. Number one fuel oil is in the tank that was installed four years ago. Mr. Castro said he has not had any problems with the tanks (leaking, etc.) since their installation.

The company obtains their water supply from five wells that are located on the site. The wells are monitored regularly by company personnel. According to Mr. Castro they have not found contamination in any of the wells; however, the company is only required to monitor for bacteriological contamination and some minerals. They are not required to monitor for organics or metals. The depth of the wells range from 150 to 350 feet. There is an on-site waste water treatment plant. This WWTP treats sewage waste only.

CM/tb/0184b

15 April 1986

TO: File

FROM: Cheryl A. McMorris CAM

RE: Telephone conversation with Keith Masters, NC DHR/Solid and Hazardous Waste Management Branch, [(704) 688-4237], concerning Travenol Laboratories NC D059140764.

In our telephone conversation Mr. Masters informed me that Travenol Laboratories manufactures glucose and other hospital related fluids. He said that the company has been operating approximately 15 years.

According to Mr. Masters most of the hazardous waste generated on site is paint waste. This waste is generated from painting the building and equipment at the facility. The company also generates a small amount of waste from solvent usage in the laboratory. Mr. Masters said Travenol Laboratories is actually a small generator, but the company wanted to retain its classification as a generator. Mr. Masters does not know of any hazardous substances used at the site; nor does he know of any past treatment, storage, or disposal of materials or wastes on site.

There is one well located on site. This well is the main source of water for the facility. To get rid of household wastes the company has a wastewater treatment plant on site. This WWTP treats sewage waste only. All of the other waste generated is manifested off site for disposal.

CM/tb/0176b

NCD 059140764

RCRA INSPECTION REPORT

FACILITY INFORMATION

Travenol Laboratories
US 221 North
Marion, NC 28752
EPA ID #NCD059140764

FACILITY CONTACT

Philip Castro
704/756-4151

SURVEY PARTICIPANT

J. W. Moore, Jr.

DATE OF INSPECTION

August 12, 1982

APPLICABLE REGULATIONS

40 CFR 262 and 265

PURPOSE OF SURVEY

This inspection was conducted to insure compliance with RCRA for this facility which is permitted as a generator.

FACILITY DESCRIPTION

This facility manufactures and packages intravenous solutions. The following hazardous wastes are generated:

A) Solvents & thinners from clean-up of in-house painting (approximately 100 kg/mt)
B) Solvents from the chemical lab (approx. 10 kg/mt)
C) Expired chemicals from the chemical lab (approx. 1 kg/mt)

These wastes are taken by Triangle Resources, P. O. Box 210, Reidsville, NC (transporter and storer). Most are then sent to M&M Chemical Company in Gadsden, Alabama.

DOCUMENTATION OF SITE DEFICIENCIES

265.32(b) - see attached memorandum

COMPLIANCE SCHEDULE

Mr. Castro agreed to a compliance schedule of October 1, 1982 for correction of the above violation.

Hexam

How much pyridine + nitrobenzene is used

what type of process ?

How much of the 440 gallons is pyridine

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
919/733-3446

4 June 1986

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

Dear Ms. Bland:

SUBJECT: Preliminary Assessment Report
Travenol Laboratories, Inc. NCD 059140764
US 221 North
Marion, McDowell County, NC 28752

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

Travenol Laboratories, Inc. manufactures glucose, salt solutions, and other intravenous solutions for hospitals. The company started operating at the Marion site in 1972. The facility was newly constructed, and Travenol Labs has been the sole occupant.

The majority of the hazardous waste generated at the facility is paint and cleaning solvent waste. This waste is generated through touch up painting of the building and equipment. Included in this hazardous waste are varsol solvents, turpentine, and xylene. The company also operates a laboratory which generates a small amount of laboratory solvent waste. Approximately 4,000 gallons of hazardous waste (paint and laboratory waste) was generated in 1985. The waste is stored in 55 gallon drums on the outside of the building in a hazardous waste shed. The lab waste is then manifested to Pinewood, S.C. for disposal, and the paint solvents are shipped to Oldover in Virginia for incineration. The company has been employing these waste disposal methods since 1980. Prior to 1980 the laboratory chemicals and waste were kept in a warehouse on the site. Between 1972 and 1977 the paint solvent waste was disposed of outside of the building.

The waste was poured in a small graveled area and allowed to evaporate into the air. Approximately 440 gallons of the waste was disposed of in this manner. Between 1977 and 1980 the paint waste was accumulated and kept on site. Company officials voluntarily notified under CERCLA 103(c) on April 29, 1981 and told of the company's past waste disposal practices. The site was inspected on March 29, 1982 by Charles Lee and Gene Oliver of Ecology and Environment, Inc. for EPA. The investigators did not find any evidence of wastes or waste residues in the area. They recommended that no further action be initiated with regard to the site. Groundwater and soil were not sampled by the site investigators.

There are five underground storage tanks on site. Four of the tanks were installed in 1972 and one tank was installed approximately four years ago. Three of the four tanks installed in 1972 contain number six fuel oil and the other tank contains gasoline. Number one fuel oil is in the tank that was installed four years ago. According to company officials, they have not had problems with the tanks (leaking, etc.) since their installation.

The company obtains their water supply from five wells that are located on the site. The wells are monitored regularly by company personnel. According to plant officials, the wells have never been contaminated, however, the company is only required to monitor for bacteriological contamination and some minerals. They are not required to monitor for organics or metals. The depth of the wells range from 150 to 350 feet. There is also an on-site waste water treatment plant which treats sewage waste only.

Other than the solvent evaporation area, there are no records of spills on the site. Because of past on-site disposal practices a Medium priority is assigned to the site.

On 2 June 1986, 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: Glenn Ross, Air Quality Section; Vince Schneider and Howard Bryant, Water Quality Section.

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

Sincerely,

Cheryl A. McMorris, Environmental Chemist
Solid and Hazardous Waste Management Branch
Environmental Health Section

CM/tb/0249b

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

II. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D059140764

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Travenol Laboratories, Inc.	U.S. Hwy. 221 North

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Marion	NC	28752	McDowell	056	11

09 COORDINATES: LATITUDE 35° 50' 14" | LONGITUDE 82° 00' 03"

10 DIRECTIONS TO SITE (Starting from nearest public road) Take I-85 South to Winston Salem. In Winston Salem take I-40 west to Marion, NC. In Marion take Hwy 221 Nth. Site located about 12 mi. north of I-40, in North Cove, NC.

III RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Travenol Laboratories, Inc.	Deerfield Road

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Deerfield	ILL	60015	(312) 348-2000

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
Travenol Laboratories, Inc.	U.S. Hwy. 221 North

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Marion	NC	28752	(704) 756-4151

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

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) (CERCLA 103c)
[X] A. RCRA 3001 DATE RECEIVED: [ ] B. UNCONTROLLED WASTE SITE DATE RECEIVED [ ] C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply)
[X] YES DATE 03/29/82 [ ] A. EPA [X] B. EPA CONTRACTOR [ ] C. STATE [ ] D. OTHER CONTRACTOR
[ ] E. LOCAL HEALTH OFFICIAL [ ] F. OTHER: _____
[ ] NO CONTRACTOR NAME(s): _____

02 SITE STATUS (Check one)
[ ] A. ACTIVE [X] B. INACTIVE (Not a TSD) [ ] C. UNKNOWN

03 YEARS OF OPERATION
1972 | currently operat. [ ] UNKNOWN
BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT. KNOWN, OR ALLEGED Travenol Labs., Inc. began operations at the Marion site in 1972, in a newly constructed facility. The company manufactures glucose, salt solutions, & other intravenous solutions for hospitals. The majority of the hazardous waste generated at the facility is paint

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION waste from touch up painting of the building & equipment. A small amount of laboratory solvent waste is generated. Between 1972 & 1977 the paint waste was disposed of be evaporating the waste outside in a graveled area on the site. Approx. 440 gallons of waste was disposed of in this manner. In 1982, an EPA inspection found the disposal area, uncontaminated. After 1979 the waste was shipped off-site for incineration. Five underground tanks containing fuel oil & gasoline have been on-site since 1972. 5 wells supply the site with water. A WWTP is on site to treat sewage waste. Classified as a Generator.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

[ ] A. HIGH (Inspection required promptly) [X] B. MEDIUM (Inspection required) [ ] C. LOW (Inspection on time available basis) [ ] D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Phil Castro, Environmental Coordinator	Travenol Laboratories, Inc.	(704) 756-4151

02 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	ORGANIZATION	03 TELEPHONE NUMBER	08 DATE
Cheryl A. McMorris/Pat DeRosa	NC DHR/DHS	SHW Mgmt. Br.	(919) 733-2801	04/16/86

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

II. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D059140764

II. WASTE STATES, QUANTITIES, AND CHARACTERS

01 PHYSICAL STATES (Check all that apply)

[ ] A SOLID
[ ] B. POWDER, FINES
[ ] C. SLUDGE
[ ] E. SLURRY
[X] F. LIQUID
[ ] G. GAS

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

TONS _____
CUBIC YARDS _____
NO. OF DRUMS Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

[X] A. TOXIC
[ ] B. CORROSIVE
[ ] C. RADIOACTIVE
[ ] D. PERSISTENT
[ ] E. SOLUBLE
[ ] F. INFECTIOUS
[ ] G. FLAMMABLE
[ ] IGNITABLE
[ ] I. HIGHLY VOLATILE
[ ] J. EXPLOSIVE
[ ] K. REACTIVE
[ ] L. INCOMPATIBLE
[ ] M. NOT APPLICABLE

III. WASTE TYPES

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	440	gallons	Combined paint and lab. waste
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ADICS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

CATEGORY	SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Varsol solvents		stored in 55 gallon drums	Unknown	---
SOL	turpentine		prior to off-site	Unknown	---
SOL	Xylene	1330207	incineration	Unknown	---

V. FEEDSTOCKS (See Appendix for CAS numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

1. Permanent files, NC Solid and Haz. Waste Mgmt. Branch, Raleigh, NC.
2. USGS, 7.5' Quad., Little Switzerland, NC, 1979 and Ashford, NC, 1956.
3. Telephone conversation with Keith Masters, NC DHR/DHS, Solid and Haz. Waste Mgmt. Br., on 15 April 1986.
4. Telephone conversation with Phil Castro of Travenol Laboratories, Inc. on 16 April 1986.

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

II. IDENTIFICATION
01 STATE NC | 02 SITE NUMBER D059140764

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION 02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED 2300 04 NARRATIVE DESCRIPTION Between 1972 and 1977 approximately 440 gallons of paint waste was disposed on site. The waste was poured into a graveled area and allowed to evaporate. Possible groundwater contamination due to these disposal practices.

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

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

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

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

01 [X] F. CONTAMINATION OF SOIL 02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED Unknown (Acres) 04 NARRATIVE DESCRIPTION See II A above.

01 [X] G. DRINKING WATER CONTAMINATION 02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED 2300 04 NARRATIVE DESCRIPTION There are five wells on the site and they are the main water supply for drinking purposes. If groundwater contamination occurred it is possible that the drinking water may have been affected.

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

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

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

II. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D059140764

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [ ] J. DAMAGE TO FLORA 02 [ ] OBSERVED (DATE: _____) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 [ ] K. DAMAGE TO FAUNA 02 [ ] OBSERVED (DATE: _____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

01 [ ] L. CONTAMINATION OF FOOD CHAIN 02 [ ] OBSERVED (DATE: _____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

01 [ ] M. UNSTABLE CONTAINMENT OF WASTE (Spills/runoff/standing leaking drums) 02 [ ] OBSERVED (DATE: _____) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

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

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

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

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

III. TOTAL POPULATION POTENTIALLY AFFECTED:

IV. COMMENTS

Groundwater and soil samples should be taken around the past disposal/evaporation area to determine if contamination occurred.

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

See Part 2, Section VI.