369SERBSF10,624

369SERBSF10,624

Site Name (Subject):	SQUIBB E R & SONS
Site ID (Document ID):	NCD991278730
Document Name (DocType):	Correspondence (C)
Report Segment:	
Description:	General Correspondence, 1990 - 1995
Date of Document:	8/22/1995
Date Received:	
Box: *Enter SF and # with no spaces*	SF10,624
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**

1995 DATE: August 22, 1995

SUBJECT: REMOVAL FROM EPA'S CERCLIS INVENTORY

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

TO: SQUIBB E R & SONS
RTE I-95 S & FLOWERS RD
KENLY
NC 27542

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
Superfund Section

E.R. Squibb & Sons
NCD 991278730

Phase II
Screening Site Inspection
Volume IIa
Appendix C
Case Narrative & Volatile Analytical Data

June 1991

Greenhorne & O'Mara Inc.

STATE OF NORTH CAROLINA

Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
Superfund Section

E.R. Squibb & Sons
NCD 991278730

Phase II
Screening Site Inspection
Volume IIb
Appendix C
Semi-Volatile Analytical Data

June 1991

By:

Greenhorne & O'Mara, Inc.

STATE OF NORTH CAROLINA

Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
Superfund Section

E.R. Squibb & Sons
NCD 991278730

Phase II
Screening Site Inspection
Volume IIc
Appendix C
Metals Raw Data

June 1991

By:

Greenhorne & O'Mara, Inc.

STATE OF NORTH CAROLINA

Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
Superfund Section

E.R. Squibb & Sons
NCD 991278730

Phase II
Screening Site Inspection
Volume IId
Appendix C
Metals Data

June 1991

By:

Greenhorne & O'Mara, Inc.

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SUPERFUND SECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV
345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

SEP 01 1992

4WD-WPB

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

Dear Pat:

The following reports have recently been reviewed and accepted by the EPA - Region IV Site Assessment Section:

Lackey Industrial (SI) Warehouse NCD 080 891 039 Columbus County	No Further Remedial Action Planned
Milan Yard Landfill (SI) NCD 980 503 031 Cumberland County	No Further Remedial Action Planned
E.R. Squibb & Sons (SI) NCD 991 278 730 Johnston County	No Further Remedial Action Planned
Siemans-Allis, Inc. (SI) NCD 067 428 821 Lee County	No Further Remedial Action Planned
DePoortere Corp. (SIP) NCD 006 991 210 New Hanover County	No Further Remedial Action Planned (completed by EPA contractor, copy enclosed)
Howard Johnson's/Old (SIP) Crabtree Landfill NCD 980 845 903 Wake County	No Further Remedial Action Planned (completed by EPA contractor, copy enclosed)

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

Sincerely,

Cathy Amoroso

Cathy Amoroso
Environmental Scientist

enclosures
cc: Grover Nicholson, NCDEHNR

Printed on Recycled Paper

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

January 27, 1992

Mr. Craig Benedikt
NC CERCLA Project Officer
US EPA Region IV Waste Division
345 Courtland Street, NE
Atlanta, GA 30365

Subject: Site Status

Dear Mr. Benedikt:

As per your request, I have checked with the NC DEHNR, Hazardous Waste Section to determine current status of the sites listed below. In addition, I have attached a copy of the current list of active RCRA T,S,D facilities in North Carolina. Any questions regarding this printout should be directed to Mr. Jim Edwards, Hazardous Waste Section at (919) 733-2178.

Site Name, ID Number	RCRA Status
Ciba-Geigy Corp., NCD 061 801 361	Storer
Dupont, E. I. De Nemours, NCD 047 368 642	Treater, Storer
Everhart Lumber, NCD 003 190 584	None current or past
GA-Pacific Corp. Hdwd Saw, NCD 000 773 507	Deleted 10-15-82
Hoover Repair Shop, NCD 003 233 673	Exempt, Sm Gen (less than 100 kg/mo)
Siemans-Allis, NCD 067 428 821	Deleted 7-18-88
Squibb, E. R. & Sons, NCD 991 278 730 (listed under current owner, GLAXO)	Generator
Vaughan-Bassett Furniture, NCD 003 464 765	Small Generator
West Point Pepperell, NCD 045 924 032	Small Generator
Winston Container Co., NCD 024 477 556	Generator

According to our files, the following sites are on US Forest Service (USFS) land and the US EPA has contacted the USFS requesting that they proceed with site investigation activities (see attached memo).

<u>Site Name, ID Number</u>

Graham County Municipal Landfill, NCD 980 557 979
Swain County Landfill, NCD 980 557 938

If you require additional information, please feel free to contact me at (919) 733-2801.

Sincerely,

Pat DeRosa, Head
CERCLA Branch
NC Superfund Section

Attachments (2)

PD/kc

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 16111

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:00

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SW-01 (upstream) cubes
✓ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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SUPERFUND SECTION

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		✓ Arsenic	<0.02	✓ Silver	<0.05
___ Barium		✓ Barium	0.04	___ Sulfates	
___ Cadmium		✓ Cadmium	<0.020	___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		✓ Chromium	<0.01	___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron			
		✓ Lead	<0.02		
		___ 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 17 June 91

Date Extracted ___ Date Analyzed ___

Reported By [signature] Lab Number 009132 MAY 291

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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

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SUPERFUND SECTION

Site Number NCD 991 278 730 Field Sample Number 6112

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:00

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SED-01 (upstream) 250 ml
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
✓ Other (4) Sediment	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
✓ Arsenic	Equipment	✓ Arsenic	<4	✓ Silver	<20
✓ Barium	Failure-	✓ Barium	<8	___ Sulfates	
✓ Cadmium	insufficient	✓ Cadmium	<16	___ Zinc	
___ Chromium	sample material	___ Chloride		___ Ph	
✓ Lead	for reruns	✓ Chromium	<20	___ Conductivity	
✓ Mercury	WCW	___ Copper		___ TDS	
✓ Selenium		___ Fluoride		___ TOC	
✓ Silver		___ Iron			
		✓ Lead	<20		
		___ Manganese			
		✓ Mercury	<0.09		
		___ Nitrate			
		✓ Selenium	<4		

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 ___

Date Extracted ___ Date Analyzed ___

Reported By ___ Lab Number 009135 MAT 291

DHS 3191 (Revised 7/85)

CERCLA

N. C. [redacted]artment of Human Resources
Division [redacted] Health Services

SAMPLE ANALYSES REQU[redacted]

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

Site Number NCD 991 278 730 Field Sample Number 16113

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:30

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SW-02 (downstream) cubes
✓ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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SUPERFUND SECTION

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
Arsenic		✓ Arsenic	<0.02	✓ Silver	<0.05
Barium		✓ Barium	<0.04	Sulfates	
Cadmium		✓ Cadmium	<0.020	Zinc	
Chromium		Chloride		Ph	
Lead		✓ Chromium	<0.01	Conductivity	
Mercury		Copper		TDS	
Selenium		Fluoride		TOC	
Silver		Iron			
		✓ Lead	<0.02		
		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 ___

Date Extracted ___ Date Analyzed ___

Reported By ___ Lab Number 009133 MAY 291

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CERCLA

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 NCD 991 278 730 Field Sample Number 16114

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:30

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SED-02 (downstream) 250 ml
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
✓ Other (4) Sediment	___ Other (8)	

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SUPERFUND SECTION

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
✓ Arsenic	Equipment	✓ Arsenic	<4	✓ Silver	<20
✓ Barium	failure -	✓ Barium	<8	Sulfates	
✓ Cadmium	insufficient	✓ Cadmium	<16	Zinc	
✓ Chromium	sample material	Chloride		Ph	
✓ Lead	for rerun -	✓ Chromium	<20	Conductivity	
✓ Mercury	WCW	Copper		TDS	
✓ Selenium		Fluoride		TOC	
Silver		Iron			
		✓ Lead	<19		
		Manganese			
		✓ Mercury	<0.1		
		Nitrate			
		✓ Selenium	<4		

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 ___

Date Extracted ___ Date Analyzed ___

Reported By ___ Lab Number 009136 MAY 291

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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 NCD 991 278 730 Field Sample Number 16115

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 10:30

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	DW-01 (Foster Well) cubes
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		✓ Arsenic	0.02	✓ Silver	<0.05
___ Barium		✓ Barium	0.06	___ Sulfates	
___ Cadmium		✓ Cadmium	<0.020	___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		✓ Chromium	<0.01	___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron		___	
___		✓ Lead	<0.03	___	
___		___ Manganese		___	
___		✓ Mercury	<0.0007	___	
___		___ 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 ___

Date Extracted ___ Date Analyzed ___

Reported By ___ Lab Number 009134 MAT 291

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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 NCD 991 278 730 Field Sample Number 14708

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:00

Type of Sample:

Environmental	Concentrate	Comments
____ Groundwater (1)	____ Solid (5)	SW-01 (upstream) VOA
✓ Surface Water (2)	____ Liquid (6)	
____ Soil (3)	____ Sludge (7)	
____ Other (4)	____ Other (8)	

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JUN 24 1991
SUPERFUND SECTION

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 5-1-91 Date Reported 6-20-91

Date Extracted Date Analyzed 6-18-91 nw

Reported By John L. Neal Lab Number 911573

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#911573 - 911580

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 14709

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:00

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SW-01 (upstream) 2L
✓ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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JUN 2 2 1991
SUPERFUND SECTION

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 ___ Date Reported ___

Date Extracted 5-15-91 AA, JM Date Analyzed 6-19-91 BD

Reported By ___ Lab Number 911574

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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 NCD 991 278 730 Field Sample Number 14710

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:00

Type of Sample:

Environmental	Concentrate	Comments
____ Groundwater (1)	____ Solid (5)	SED-01 (upstream) VOA/Ext
____ Surface Water (2)	____ Liquid (6)	
____ Soil (3)	____ Sludge (7)	
✓ Other (4) Sediment	____ Other (8)	

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JUN 24 1991
SUPERFUND SECTION

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 ____ Date Reported ____

Date Extracted 5-22-91 AA Date Analyzed PT 6-17-91 mw BNA 6-20-91 BD

Reported By ____ Lab Number ____ 911575

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 14711

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:30

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SW-02 (downstream) Vol
✓ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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JUN 2 0 1991
SUPERFUND SECTION

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 ___ Date Reported ___

Date Extracted ___ Date Analyzed 6-18-91 MW

Reported By ___ Lab Number 911576

DHS 3191 (Revised 7/85)

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 14712

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:30

Type of Sample:

Environmental	Concentrate	Comments
____ Groundwater (1)	____ Solid (5)	SW-02 (downstream) 2L
✓ Surface Water (2)	____ Liquid (6)	
____ Soil (3)	____ Sludge (7)	
____ Other (4)	____ Other (8)	

RECEIVED
JUN 2 - 1991
SUPERFUND SECTION

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 ____ Date Reported ____

Date Extracted 5-15-91 AA, JM Date Analyzed 6-19-91 BD

Reported By ____ Lab Number 911577

DHS 3191 (Revised 7/85)

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 14713

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 9:30

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	SED-02 (downstream) VOA/Ext
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
✓ Other (4) Sediment	___ Other (8)	

RECEIVED
JUN 2 1991
SUPERFUND SECTION

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 ___ Date Reported ___

Date Extracted 5-22-91 AA Date Analyzed PT 6-17-91 MW BNA 6-20-91 BD

Reported By ___ Lab Number 911578

DHS 3191 (Revised 7/85)

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number ~~[illegible]~~ 14714

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 10:30

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	Solid (5)	DW-01 (Foster Well) VOA
Surface Water (2)	Liquid (6)	
Soil (3)	Sludge (7)	
Other (4)	Other (8)	

RECEIVED
JUN 2 - 1991
SUPERFUND SECTION

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 _____ Date Reported _____

Date Extracted _____ Date Analyzed 6-18-91 nw

Reported By _____ Lab Number 911579

DHS 3191 (Revised 7/85)

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

CERCLA

SAMPLE ANALYSES REQUEST

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

Site Number NCD 991 278 730 Field Sample Number 14715

Name of Site Squibb & Sons Site Location Kenly, NC

Collected By Harvey Allen ID# 76 Date Collected 4/30/91 Time 10:30

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	DW-01 (Foster well) RL
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

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JUN 24 1991
SUPERFUND SECTION

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 ___ Date Reported ___

Date Extracted 5-15-91 AA,JM Date Analyzed 6-19-91 BD

Reported By ___ Lab Number 911580

DHS 3191 (Revised 7/85)

DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

Chain of Custody Record CERCLA

Hazardous Waste Materials

Location of Sampling: ✓ Generator ___ Transporter ___ Treatment Facil.
___ Storage Facility ___ Disposal Facility ___ Landfill
___ Other: ___

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JUN 2 4 1991
SUPERFUND SECTION

Company's Name Squibb & Sons Telephone( ) -

Address Squibb Road, Kenly, NC

Collector's Name Harvey Allen (signature) Telephone(919) 733-2801

Date Sampled 4/30/91 Time Sampled -

Type of Process Generating Waste ___

Field Information

Field Sample No. 14708 14709 14710 14711 14712 14713 14714
14715

Chain of Possession:

	signature	title	inclusive dates
1.	Harvey Allen	Env. Eng.	4/30/91 - 5/1/91
2.	William Dilment	Chemist	5-1-91
3.			

Results reported

signature	title	date
John L Neal	Chemist	6-20-91

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

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	911574	911575	911577	911578	911580	
	FIELD #	14709	14710	14712	14713	14715	
COMPOUND	TYPE	(2)	(4)	(2)	(4)	(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	U	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

RECEIVED
JUN 8 - 1991
SUPERFUND SECTION

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 COMPOUND	LAB NO	911574	911575	911577	911578	911580	
	FIELD #	14709	14710	14712	14713	14715	
	TYPE	(2)	(4)	(2)	(4)	(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
pyrene	10/330	U	U	U	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	U	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							

RECEIVED
JUN 24 1991
SUPERFUND SECTION

MDL
H_2O/501L

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

PURGEABLE COMPOUNDS	LAB NO	911573	911575	911576	911578	911579	
	FIELD #	14708	14710	14711	14713	14714	
COMPOUND	TYPE	(2)	(4)	(2)	(4)	(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
chloromethane	10 ppb	u	u	u	u	u	
bromomethane	10						
dichlorodifluoromethane	5						
vinyl chloride	10						
chloroethane	10						
methylene chloride	5						
trichlorofluoromethane							
ethene, 1,1-dichloro							
ethane, 1,1-dichloro-							
1,2-trans-dichloroethene							
chloroform							
ethane, 1,2-dichloro-							
ethane, 1,1,1-trichloro-							
carbontetrachloride							
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	10						
bromoform	10						
ethane, 1,1,2,2-tetrachloro-	5						
ethene, tetrachloro-							
toluene							
chlorobenzene							
ethylbenzene							
acetone	10	u	u	u	u	u	
2-butanone	10						
carbondisulfide	5						
2-hexanone	10						
4-methyl-2-pentanone	10						
styrene	5						
vinyl acetate	10						
xylenes (total)	5						
MTBE	5	trace					
	↑MDL↑						

RECEIVED
JUN 24 1991
SUPERFUND SECTION

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)

SITE HEALTH AND SAFETY PLAN

A. General Information

Site Name Squibb, E.R. & Sons ID # NCD 991 278 730

Location Flowers Road, Kenly, Johnston County, NC 27542 Date April 15, 1991

Proposed Date of Investigation April 30, 1991

Date of Briefing April 29, 1991

Date of Debriefing May 1, 1991

Nature of Visit (check one):

On-Site Reconnaissance (PA)	
On-Site Reconnaissance (SI)	
Site Investigation	X

Health Department Official Contacted Sue Hodge for Leon Powell

Date of Contact April 8, 1991

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

	Personnel	Responsibilities	Signature
Team 1	Harvey Allen	team leader, sampling	Harvey H. Allen

Plan Preparation:

Prepared By: David Lilley, Industrial Hygienist David Lilley

Reviewed By: Jack Butler, Environmental Engineer Jack Butler

B. SITE/WASTE CHARACTERISTICS

Waste Type(s) __X__ Liquid _____ Solid _____ Sludge _____ Gas

Characteristics _____ Corrosive __X__ Ignitable _____ Radioactive

__X__ Volatile __X__ Toxic _____ Reactive _____ Other

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

HAZARD	WARNING PROPERTIES	EXPOSURE LIMIT
Butyl alcohol	Odor Threshold (OT) = 0.119-15 ppm	50 ppm
Methyl alcohol	OT = 1.5 ppm	200 ppm
Methylene chloride	OT = 25 - 30 ppm	50 ppm

ID # NCD 991 278 730

Facility Description: Size 97 acres Buildings yes

Disposal Methods Being Investigated Possible spills or leakage from underground storage tanks.

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

History of the Site: Squibb began operations as a few facility in 1978, prior to this, the property was used for farming. The facility receives bulk unfinished penicillin, which it processes to form tablets, capsules, and powders. Solvent wastes are now transported off-site every 90 days. Until January, 1982, Squibb stored butyl alcohol in an underground storage tank. There is no documentation on any spills at the site.

C. HAZARD EVALUATION

The site can be toured and sampled in level D protection. PE or PVC gloves will be worn while collecting water samples. Steel toed hiking boots may be worn while conducting tour or sampling on gravel, asphalt, or vegetated soil, steel toed work boots will be worn while conducting tour or sampling barren soil. Stay clear of contractors while they augur.

D. WORK PLAN INSTRUCTION

Map or Sketch Attached? yes

Perimeter Identified? no

Command Post Identified? no

Zones of Contamination Identified? no

Personal Protective Equipment/Level of Protection: ____C X D

Modifications Wear goggles, face shield, and PVC gloves while preparing acid preserved samples, goggles and PVC gloves while collecting acid preserved samples. Avoid breathing acid vapors. Rinse pipetts with deionized water before disposing of in trash bag.

ID # NCD 991 278 730

Surveillance Equipment:

_____ HNU	_____ Detector Tubes and Pumps
_____ OVA	_____ 02 Meter
_____ Explosimeter	_____ Radiation Monitor

Decontamination Procedures

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

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

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

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

EMERGENCY PRECAUTIONS

Route of Exposure	First Aid
Eyes	irrigate immediately
Skin	soap and water wash
Inhalation	fresh air and artificial respiration
Ingestion	get medical attention immediately

ID # NCD 991 278 730

Location of Nearest Phone: unknown (nearby residences/businesses?)

Hospital (Address and Phone Number)

Johnston Memorial Hospital, Hwy. 301 North, PO Box 1376, Smithfield, NC

(919) 934-8171 - can handle chemically contaminated patients

Emergency Transportation Systems (Phone Numbers)

Fire 911

Ambulance 911

Rescue Squad 911

Emergency Route to Hospital Take a left onto Preston St. and head towards Selma. Take the fourth left onto Route 301 South towards Smithfield. Stay on 301 South for about 3 miles, the hospital will be on the right.

PREVAILING WEATHER CONDITIONS AND FORECAST Partly cloudy with a chance of showers, highs in the 70s.

EQUIPMENT CHECKLIST

	Air purifying respirator	X	First Aid Kit
	Cartridges for respirator	X	3 gal. Deionized H20
X	Eye Wash Unit	X	Rainsuit
	HNU	X	Gloves (PE/PVC/nitrile/cloth)
	OVA	X	Boots/Boot Covers
	Explosimeter	X	Coveralls (tyvek/saranex)
	Radiation Monitor	X	Eye Protection
X	Decontamination Materials	X	Hard Hat

Poison Control Center - State Coordinator
Duke University Medical Center
Telephone: 1-800-672-1697
Box 3024
Durham, NC 27710

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

safeform.109

JOHNSTON 1,372
WILSON 61
COUNTY
TO FREMONT
TO WILSON
KENLY
POP. 1,433
Moores Sch. House
Hickory Cross
Bethany Ch.
Shoeheel
Beulahtown
Bagley
Lowell Mill
RIVER
LITTLE
Oak Grove Inn
MICRO
POP. 438
Raines Crossroads
WAYNE
Branch Chapel
Live Oak Ch.
PRINCETON
POP. 1,034
HOLTS POND
PINE LEVEL
POP. 953
SELMA
POP. 4,762
Wilson's Mills
Brogden
SMITHFIELD
POP. 7,288
Johnston County Airport
Hopewell Ch.
Albert
HOLTS LAKE
Hickory Grove
Piney Grove Ch.
NEUSE
Buffalo
Creek
Moccasin
Bawdy
Hannah
Swift
Middle
Little Poplar
Cr.
Polecat
Branch
Long
Spring
Hill
Br.
Reedy
Hop

TO BE COMPLETED BY PROJECT MANAGER

PROJECT MANAGER: Harvey Allen PROJECT: E.R. Squibb & Sons

INVESTIGATION DATE: April 12, 1991

RECONNAISSANCE _____ SAMPLING VISIT X

Materials Used (Please insert a number in the blank)

Ø	Air Purifying respirator cartridges	Ø	Gloves (nitrile)
Ø	Eye Wash Units	Ø	Gloves (cloth)
Ø	First Aid Kit	Ø	Boot covers
Ø	Gloves (polyethylene)	Ø	Coveralls (tyvek)
10	Gloves (PVC)	Ø	Coveralls (saranex)

Respirator Worn By

NA

Approximate Time in Respirator

Air Monitoring Data (Include Calibration Reading)

HNU: NA

OVA: NA

Explosimter: NA

Radiation Meter: NA

If the maximum personal protective equipment as outlined in the Hazard Evaluation Section was not used, please justify:

No subsurface activity by NCSS personnel.

Visitors Present	Organization Represented
Billy Dixon, Marie Fisher	G&O
Hunt Coffin	G&O
Ken Acres	Squibb & Sons
Harvey Allen	NCSS

Harvey Allen
Signature

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: n-Butyl Alcohol

I. PHYSICAL/CHEMICAL PROPERTIES

	Refere
Chemical Formula $C_4H_{10}O$	1
Natural Physical State at 25°C liquid	2
Vapor Pressure 4.2 mm Hg at 20°C	3
Melting Point -128 °F/°C Boiling Point 244 °F/°C	3
Flash Point (open or closed cup) 84 °C/°F	3,4
Solubility - H_2O 7.7%	3
Other alcohol, ether, many organic solvents	1

Physical Features: (odor, color, etc.) Colorless liquid with a stron characteristic odor (3) IP = 10.04 eV, OVA Relative Response = 50%

II. TOXICOLOGICAL DATA

Standards:	ceiling= 50ppm (5) TLV skin	ceiling= 50ppm(6) PEL skin	8,000ppm (3) IDLH

Routes of Exposure: Inhalation, Ingestion, Skin and/or Eye contact

Acute/Chronic Symptoms: Irritation of the eyes, nose, and throat; headach drowsiness; eye problems and blurred vision; tearing of the eyes; dry, cr skin; visual intolerance of light (3)

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

Chemical Name: n-Butly alcohol

III. HAZARDOUS CHARACTERISTICS | Ref

A. Combustibility Yes X No ____ | 3,
Toxic by-products not pertinant | 4

B. Flammability LEL 1.4% UEL 11.2% | 3,

C. Reactivity Hazard Incompatible with strong oxidizers | 3

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

E. Radioactive Hazard

		Exposure Rate
Background	yes/no	
Alpha particles	yes/no	
Beta particles	yes/no	
Gamma radiation	yes/no	

IV. REFERENCES

1. The Merck Index, 11th Edition, 1989.
2. The Condensed Chemical Dictionary, Hawley, 11th, Edition, 1987.
3. NIOSH Pocket Guide to Chemical Hazards, 1987
4. Chemical Hazard Response Information System, US Coast Guard, 1985.
5. Threshold Limit Values and Biological Exposure Indices for 1990-1991, ACGIH
6. 29 CFR 1910.1000

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Methanol

I. PHYSICAL/CHEMICAL PROPERTIES

	Reference
Chemical Formula CH3 OH	1
Natural Physical State at 25°C liquid	1
Vapor Pressure 97 mm Hg at 20°C	1
Melting Point -144 °F/°C Boiling Point 148 °F/°C	1
Flash Point (open or closed cup) 52 °C/°F	1
Solubility - H_2O miscible	1
Other	

Physical Features: (odor, color, etc.) colorless liquid with a pungent odor. I.P. = 10.84 eV. Relative response on the HNU = 1

II. TOXICOLOGICAL DATA

Standards: 200 ppm (2) skin TLV 200 ppm (3) skin PEL 25,000 ppm IDLH 1

Routes of Exposure: Inhalation, absorption, eye contact, ingestion

Acute/Chronic Symptoms: Eye irritation, headache, drowsy, vomit, visual disturbances, light headaches, digestive disturbances, failure of vision. (1)

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

Chemical Name: Methanol

III. HAZARDOUS CHARACTERISTICS — Reference

A. Combustibility Yes X No ____ — 4

Toxic by-products None pertinent — 4

B. Flammability LEL 6.7% UEL 36% — 4

C. Reactivity Hazard Incompatible with strong oxidizers — 1

D. Corrosivity Hazard yes/no pH: _____ — _____

Neutralizing agent: _____ — _____

E. Radioactive Hazard — Exposure Rate

Background	yes/no	_____	_____
Alpha particles	yes/no	_____	_____
Beta particles	yes/no	_____	_____
Gamma radiation	yes/no	_____	_____

IV. REFERENCES

(1) NIOSH Pocket Guide to Chemical Hazards, 1987.

(2) Threshold Limit Values and Biological Exposure Indices for 1990-1991, ACGIH.

(3) 29 CFR 1910.1000.

(4) Chemical Hazard Respones Information System, US Coast Guard, 1985

HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: Methylene Chloride

I. PHYSICAL/CHEMICAL PROPERTIES

	Reference
Chemical Formula CH_2Cl_2	1
Natural Physical State at 25°C liquid	2
Vapor Pressure 350 mm Hg at 20°C	2
Melting Point -141 °F/°C Boiling Point 104 °F/°C	2
Flash Point (open or closed cup) ? °C/°F	2
Solubility - H_2O soluble in 50 parts water	1
Other misible with alcohols, ether, DMF	1

Physical Features: (odor, color, etc.) Colorless liquid with a chloroform-like odor (2) IP = 11.35 eV. Relative response on HNU = 9.4. OVA Relative Response = 100%

II. TOXICOLOGICAL DATA

Standards: 50 ppm(3) TLV 500 ppm(4) PEL suspect human carcinogen IDLH 3

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

Acute/Chronic Symptoms: Fatigue, weakness, sleepiness, light headedness, numb and tingling limbs, nausea, eye and skin irritation, vertigo, choking (2)

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

Chemical Name: Methylene Chloride

III. HAZARDOUS CHARACTERISTICS — Reference

A. Combustibility Yes X No ____ — 2

Toxic by-products ____

B. Flammability LEL 12% UEL 19% — 2

C. Reactivity Hazard incompatible with strong oxidizers and caustics, chemically active metals such as Al or Mg powders, sodium, potassium. — 2

D. Corrosivity Hazard yes/no pH: ____

Neutralizing agent: ____

E. Radioactive Hazard — Exposure Rate

Background	yes/no		
Alpha particles	yes/no		
Beta particles	yes/no		
Gamma radiation	yes/no		

IV. REFERENCES

(1) The Merck Index, 11th Edition, 1989

(2) Pocket Guide to Chemical Hazards, NIOSH, 1987

(3) Threshold Limit Values and Biological Exposure Indices for 1990-91, ACGIH

(4) 29 CFR 1910 1000

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

April 8, 1991

Mr. Ken Acres
Bristol-Myers/Squibb
1000 Squibb Drive
Kenly, NC 27542

RE: Squibb E.R. & Sons
NCD 991 278 730
Screening Site Investigation

As per our telephone conversation of April 5, 1991, the EPA has directed the North Carolina Superfund Section to perform a Screening Site Investigation at your facility. As discussed, I will be at your site on April 30, 1991, along with our contractor, Greenhorne & O'Mara, Inc. to take environmental media samples. These samples will consist basically of the following:

- Two to four ground water samples from temporary hand augured wells or onsite monitoring wells, if applicable;
- Two to four soil samples;
- Two nearby surface water samples, if applicable; and
- Two sediment samples from nearby surface waters, if applicable.

Also, as discussed, the purpose of the Screening Site Investigation is to determine if there have been releases of hazardous contaminants to the environment, and therefore, whether the site may pose a threat to human health or the environment.

An Equal Opportunity Affirmative Action Employer

Thank you for your cooperation and if you have any further questions, please call me at (919) 733-2801.

Sincerely:

Harvey H. Allen

Harvey H. Allen, PE

cc: Bill Piske, Greenhorne & O'Mara

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

April 8, 1991

Mr. Leon Powell
Environmental Health Supervisor
Johnston County Health Department
205 South Second Street
Smithfield, North Carolina 27577

RE: Phase II Screening Site Investigations
Squibb and Sons, NCD991278730
Union Camp Corp., NCD003183480

Dear Mr. Powell:

David Lilley of the North Carolina Superfund Section spoke with Sue Hodge of your office today to notify you that the NC Superfund Section's Contractors will conduct screening site investigations of the subject sites located in Johnston County, NC. The investigations will be conducted on April 30 and May 2, 1991 by Billy Dixon and Mark Bailey of Greenhorne and O'Mara, Inc.

The purpose of the investigations is to determine if the sites pose a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The investigation team will take samples on and around the sites 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.

These investigations are not emergency situations but are 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 sites. If so, please contact Bill Piske at (919) 782-9088 and he will coordinate a meeting. I am enclosing background data on the sites for your information.

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

Sincerely,

Harvey H. Allen for

Grover Nicholson, Head
Contracts Management Branch
Superfund Section

Enclosures

cc: Jim Coffey
Doug Holyfield
Steve Reid
Patricia Bowden
Ann Rudd
David Lilley
File

Federal
Trip Notification & Authorization

Prepared by: Harvey Allen

Today's Date: 4/8/91

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

Site Trip

Date of Trip: April 30, 1991

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

NCD#: 991 278 730 Site Name: Squibb & Sons
City: Kenly County: Johnston

Reason for Trip: Phase II, Screening Site Investigation

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

Authorized by: David B. [illegible]
Industrial Hygienist

Project Team Leader: Mark Bailey, Greenhorne & O'Mara

Assistants: Harvey Allen, NCSS, _____, _____

Attach To Notification Form: 1 copy each:
Submit to the
Industrial Hygienist

Preliminary Assessment Form (First page only)
Site Map
PA Transmittal Letter

(Please list appropriate County Health Department contact person to call to advise of trip)
Environmental Supervisor or Health Director to call: Mr. Leon Powell Title: Supervisor Env. Health
(Note if Dr., M.P., etc.)
Telephone Number: (919) 989 - 5180

Notes: Health Department Official Contacted: Sue Hodge for Leon Powell
Back Up Letter Required: Yes ✓ No ____

Notified Sue Hodge for Leon Powell on 4-8-91 (DBL)

Note: Signed original to Data Manager

Federal
Trip Notification & Authorization

Prepared by: Harvey Allen

Today's Date: 4/8/91

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

Site Trip

Date of Trip: May 2, 1991

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

NCD#: 003 183 480 Site Name: Union Camp Corp.
City: Smithfield County: Johnston

Reason for Trip: Phase II, Screening Site Investigation

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

Authorized by: David B. [illegible]
Industrial Hygienist

Project Team Leader: Billy Dixon, Greenhorne & O'Mara

Assistants: Harvey Allen, NCSS, _____, _____

Attach To Notification Form: 1 copy each:
Submit to the
Industrial Hygienist

Preliminary Assessment Form (First page only)
Site Map
PA Transmittal Letter

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

Environmental Supervisor or Health Director to call: Leon Powell Title: Supervisor Env. Health
(Note if Dr., M.P., etc.)

Telephone Number: (919) 989- 5180

Notes: Health Department Official Contacted: Sue Hodge
Back Up Letter Required: Yes ✓ No ___
Notified Ms. Hodge for Leon Powell on 4-8-91 (DBC)

Note: Signed original to Data Manager

Squibb ER. & Sons
NCD 991 278 730

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

FEB 15 1991

RECEIVED
MAR 27 1991
SUPERFUND SECTION

4WD-WPB

Mr. Harvey Allen
Waste Management Division
North Carolina Department of Environment,
Health and Natural Resources
P. O. Box 27687
Raleigh, North Carolina 27611-7687

Dear Mr. Allen:

Attached is the revised list of sites that are being reassigned to the State Contracting Program. The previous list mailed to you is not accurate. Please note the changes. Also, please note that the McRay Street Landfill is being done by the State Program

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

Sincerely yours,

Kelly Cain

Kelly Cain
Project Officer

Enclosure

cc: Pat DeRosa
Grover Nicholson

Printed on Recycled Paper

SITES BEING TRANSFERRED FROM FIT TO STATE PROGRAM

Caro Knit *	NCD 986 171 965
Fieldcress Mills/Blanket Mill	NCD 003 218 203
Georgia Pacific-Hardwood Sawmill	NCD 000 773 515
Georgia Pacific-Hardwood Sawmill	NCD 000 813 592
Georgia-Pacific -Hardwood Sawmill	NCD 000 773 507
High Point City Landfill	NCD 980 557 565
Johnson Controls Globe Battery	NCD 000 770 487
Kern Rubber Co.-Urethane plant	NCD 000 653 576
Lackey Industrial Warehouse	NCD 080 891 039
McRae Street Landfill *	NCD 986 171 973
Milan Yard Landfill	NCD 980 503 031
Miller Brewing Co.	NCD 089 914 311
SCM Proctor-Silex	NCD 003 229 358
Scott Aviation of Monroe	NCD 003 155 587
Siemans-Alli, Inc	NCD 067 428 821
Singer Co Furniture	NCD 098 765 506
Squibb ER & Sons	NCD 991 278 730
Swannanoa Landfill	NCD 980 557 987
Texaco, Inc	NCD 000 623 199
Texaco, Inc	NCD 086 326 741
UNC Airport Road	NCD 980 557 615
Union Camp Corp	NCD 003 183 480
Union Camp Corp	NCD 003 216 959
Vaugh Basset Furniture Co	NCD 003 464 765

* SI will be performed by the State Program. (Caro Knit & McRae Street Landfill)

All others will be completed by the North Carolina contractor.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

4WD-SISB

DATE: _____

Mr. Murray Warner
NUS Corporation
1927 Lakeside Parkway
Tucker, Georgia 30084

Dear Mr. Warner:

This letter concerns the proposed/completed FIT report on the following CERCLA site:

Site Name: See attached List

Site I.D.#: _____

Site Reference#: _____

EPA Project Manager: K. Cain

The above site has been assessed by EPA and a disposition made on it. Therefore, it has now been assigned to FIT for the following action:

_____ NFRAP

_____ PA

_____ SSI Phase I (PAR)

_____ SSI Phase II

_____ LSI Evaluation

_____ LSI

X Other ATTACHED IS THE REVISED LIST OF SITES TO BE COMPLETE BY THE STATE STATE PROGRAM.

Sincerely,

Susan M. Deihl, Chief
North Unit
Site Assessment Section

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

12 February 1990

Mr. Leon Powell
Environmental Health Supervisor
Johnston County Health Department
205 South 2nd Street
Smithfield, NC 27577

RE: Off-site Reconnaissances
Squibb, E.R. and Sons NCD 991 278 730
Union Camp Smithfield S. NCD 003 183 480

Dear Mr. Powell:

David Lilley of the NC Superfund Section spoke with you today to notify you that the EPA Field Investigation Team (FIT) will conduct off-site reconnaissances of the subject sites located in Johnston County, NC. The reconnaissances will be conducted on March 11-13, 1990 by Alvin Williams of NUS Corporation.

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

These reconnaissances are not emergency situations but are normal steps in the evaluation of all uncontrolled and unregulated potential hazardous waste sites in North Carolina. You may want to have your representative meet the reconnaissance team at the sites. If so, please contact Alvin Williams at 1-800-888-7710 and he will coordinate a meeting. I am enclosing background data on the sites for your information.

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

Sincerely,

Grover Nicholson, Head
CERCLA Branch
Superfund Section

GN/db/sitenot.doc

Enclosures

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

Federal
Trip Notification & Authorization

Prepared by: David Lilley

Today's Date: 2-12-90

Site Trip

Date of Trip: March 11-13, 1990

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

NCD#: 991 278 730 Site Name: Squibb, E. R. & Sons
City: Kenly County: Johnston

Reason for Trip: off-site Reconnaissance (FIT)

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

(Please list appropriate County Health Department contact person to call to advise of trip)
Environmental Supervisor or Health Director to call: Mr. Leon Powell Title: Env. Health Supervisor
(Note if Dr., M.P., etc.)

Telephone Number: (919) 987 - 5180

Project Team Leader: Alvin Williams

Assistants: _____, _____, _____

Authorized by: David B. Kelly
Industrial Hygienist

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

Staff Notification Procedures: Use Black Ink or Typewriter only*

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

Notes: Health Department Official Contacted: Mr. Leon Powell
Back Up Letter Required: Yes ✓ No ____
notified Mr. Powell on 2-12-90 (DBC)

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

RECEIVED
FEB 12 1990
SUPERFUND SECTION

C-586-2-0-85

February 7, 1990

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

Subject: Scheduled FIT Activities in North Carolina

Dear Mr. Nicholson:

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

Date	EPA ID No.	Site Name	County	FIT Project Manager
Feb. 26-28	NCD000623116	Proctor Chemical Co., Inc.	Rowan	Doug Chatham
	NCD048469993	Proctor Chemical Co., Inc.	Rowan	Doug Chatham
	NCD000653576	Kern Rubber Co. Urethane Plt.	Rowan	Walter Riley
	NCD980503080	Paul Love's Pit	Rowan	Walter Riley
March 11-13	NCD991278870	Mead Containers	Granville	Prince Goins
	NCD091576033	Zapata Inds., Inc.	Granville	Prince Goins
	NCD991278730	Squibb, E.R. & Sons	Johnston	Alvin Williams
	NCD003183480	Union Camp Smithfield S.	Johnston	Alvin Williams

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

Very truly yours,

Joan J. Dupont

Joan J. Dupont
Project Manager

Approved:

Greg Schank

JJD/gwn

cc: Kelly Cain
Robert Morris