

HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

One DeKorte Park Plaza • Lyndhurst, New Jersey 07071-3799
Administrative Offices: (201) 460-1700 Environment Center: (201) 460-8300
Fax: (201) 460-1722



JANE KENNY
Chairman

ALAN J. STEINBERG, ESQ.
Executive Director

January 6, 2000

Ms. Mimi Feliciano
Hudson Meadows Urban Development Corp.
c/o Kings Court
525 Riverside Avenue
Lyndhurst, NJ 07071

RE: Hudson Meadows/Waster Management Violation
File #99-619V

Dear Ms. Feliciano:

This Office has conducted a recent re-inspection of the property off Bergen Avenue, Block 205, Lot 33, in Kearny.

Based on this re-inspection, we have determined that Waste Management has removed the containers from this property. This Office appreciates your cooperation and we are hereby closing the above referenced file.

If you have any questions, please contact Monica R. MianECKi of this Office.

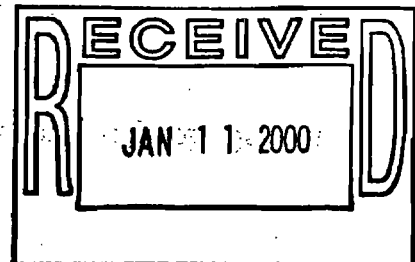
Sincerely,

OFFICE OF THE CHIEF ENGINEER

Robert E. Bratt, P.E., P.P.
Chief Engineer

cc: Robert Armstrong, Kearny Construction Official
Debbie Dakin, HMDC
Dennis Warren, HMDC

CCA000034





HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

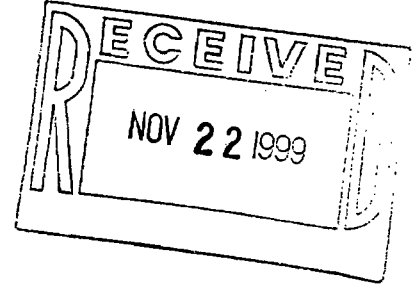
One DeKorte Park Plaza • Lyndhurst, New Jersey 07071-3799
Administrative Offices: (201) 460-1700 Environment Center: (201) 460-8300
Fax: (201) 460-1722



JANE KENNY
Chairman

November 18, 1999

Hudson Meadows Urban Development
c/o Kings Court
525 Riverside Avenue
Lyndhurst, NJ 07071



RE: Hudson Meadow/Waste Management Violation
File #99-619V

Dear Sir/Madam:

This Office has conducted a recent inspection of the property on Bergen Avenue, Block 205, Lot 33, in Kearny. Please note the above referenced file name and number.

Based on this inspection, we have determined that Waste Management appears to be storing containers on the property. This Office does not have a record of a zoning certificate or occupancy certification for this new use. This action constitutes a violation of N.J.A.C. 19:4-4.133 and N.J.A.C. 19:4-4.137. Further, the property in question is zoned as a Specially Planned Area, Special Use 1. This zone does not allow the storage of containers.

Therefore, you are hereby ordered to have Waste Management vacate the subject premises immediately upon receipt of this letter. This Office will re-inspect the subject premises fifteen (15) days from receipt of this letter. Failure to comply with this order may result in the issuance of monetary or other penalties.

If you have any questions, please contact Monica R. Mianeki of this Office.

Sincerely,

OFFICE OF THE CHIEF ENGINEER

Robert E. Bratt, P.E., P.P.
Chief Engineer

CCA000035

cc: Robert Armstrong, Kearny Construction Official
CERTIFIED RECEIPT #Z 108 237 056

130



DELAWARE SANITATION COMPANY

KEARNY, N. J. 07032

PHONE. 997-1915

1222 HARRISON AVE

KEARNY N.J. 07032

RECEIVED

DEC 25 1979

H. M. D. C.

December 3, 1979

James P. Horan, Inc.
57 Midland Avenue
Elmwood, New Jersey

*To File
MSLA
[Signature]*

Re: MSLA Landfill Site

Dear Sir:

Delaware Sanitation Company is one of the joint venture owners of Municipal Sanitary Landfill Authority, 600 Belleville Turnpike, Kearny, New Jersey and you are depositing material on our landfill without our permission or authority.

This letter will serve as notice to you that you are depositing sludge and slurry material on our landfill site taken from Public Service Electric and Gas Company's Plant, Fourth Avenue, Harrison, New Jersey without permission of the owners of M.S.L.A.

You also are depositing this material on our landfill that was closed by the Hackensack Meadowland Development Commission without our permission.

Trucks hired by you from Waste Disposal Co., White Bros, and Peter Roselle and Sons are in violation of permission by the joint venture, M.S.L.A. and also together with you are trespassers.

You must halt this trespassing on our property immediately or be charged with illegal trespass and dumping.

Cris Roselle does not constitute authority of M.S.L.A. and cannot give permission to anyone to deposit any material on our landfill with the consent of the legal four representatives of M.S.L.A. of which I am one.

Please be advised that your material has an oily base and may contain material that are forbidden for us to accept.

BAM000021

P. Horan, Inc.
September 3, 1979
Page 2

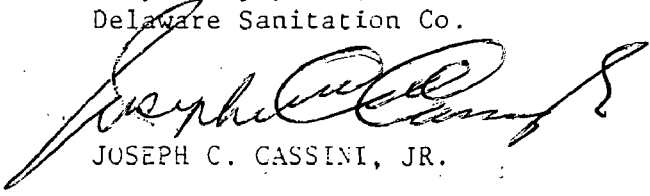
We have not received permission from the Department of Environment Protection of New Jersey or from the Hackensack Meadowland Development Company to allow your material to be dumped on our landfill.

Also, even if the D.E.P. and the H.M.L.D.C. does allow us to receive it in our landfill you must get all the representatives (4) to allow you permission to use our landfill.

I am told that the material that you deposited on our landfill without M.S.L.A. approval contains harmful ingredients.

Therefore, since you are depositing this material on our lands illegally and if it is not removed by you immediately, we will charge you with illegal trespass and institute an action for damages.

Very truly yours,
Delaware Sanitation Co.



JOSEPH C. CASSINI, JR.

JCC/bp

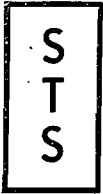
cc: Public Service Gas and Electric
Casino, H.M.D.C.
Certified Mail, RRR

Mr. Michael Cignarella
Reclamation and Improvement Company

Mr. William A. Keegan, Inc.
William A. Keegan, Jr.

Mr. Crescent J. Roselle
Peter Roselle & Sons, Inc.

Mr. Roger Generazzo
600 Belleville Turnpile
Kearny, New Jersey



SERVICE & TECHNICAL SYSTEMS, INC.

Industrial Services/Industrial Consultants

2635 DEER PATH • SCOTCH PLAINS, N. J. 07076
Phone (201) 232-8660

November 28, 1979

Mr. John Bolan
Hackensack Meadowlands Redevelopment Commission
100 Meadowland Parkway
Secaucus, New Jersey 07094

Dear Mr. Bolan:

Per our conversation today, the following waste material from Exxon's Bayway refinery has been reviewed by the State of New Jersey, see letter attached. Also included is the chemical analysis which was done for Exxon by International Hydronics.

We are requesting disposal at P&M Sanitation's landfill as well as M.S.L.A.

We would appreciate your consideration as soon as possible.
Thank you.

Sincerely,

John M. Gentempo
General Manager

JMG/jw

Enclosures

RECEIVED

NOV 29 1979

H M D C



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE ADMINISTRATION
TRENTON, 08625

BEATRICE B. TYLUTKI
DIRECTOR

October 5, 1979

John M. Gentempo
Service & Technical System Inc.
2635 Deer Path
Scotch Plains, NJ 07076

Dear Mr. Gentempo,

Pursuant to your request for disposal of 800 cubic yards of solid asphaltic bottoms from the Exxon Corp. in Linden, and our subsequent review of the analysis submitted, please be advised that the aforementioned waste is classified as industrial (non-chemical) waste. Disposal may be carried out at any sanitary landfill registered for waste I.D. #27.

This letter should be made available to the landfill operator prior to disposal.

Should you have any further questions concerning this matter, please contact this office directly.

Sincerely yours,

A handwritten signature in cursive script that reads "Michael Rosenberg".

Michael Rosenberg
Sr. Environmental Specialist

RECEIVED

NOV 29 1979

H.M.D.C.

September 27, 1979

N. J. Dept. of
Environmental Protection
Solid Waste Administration
32 Hanover Street
Trenton, New Jersey

Attention: Mr. Michael Rosenberg

Dear Mr. Rosenberg:

Enclosed is a sample of a solid asphaltic tank bottom waste from the Exxon plant in Bayway (Linden).

Also enclosed is the analysis from International Hydronics Co.

Please advise as to disposition. Total volume is 800 cubic yards.

Should you require any additional information, please contact Ray Yanni at the refinery. Telephone number is (201) 474-7560.

Sincerely

John M. Gentempo
General Manager

JMG:FW

Enclosures

INTERNATIONAL
HYDRONICS CORPORATION

P. O. Box 243 Rocky Hill, N. J. 08553

PHONE: 609/921-9216

Exxon - Bayway R. Gianni
P. O. Box 222

Date: September 26, 1979

Client: Linden, NJ 07036

Received: September 19, 1979

Identifications & Data Supplied:

Job No: 79-403-1

1 Sample

Laboratory Analysis:

		<u>216 Tank Bottoms</u>	<u>Leachate</u>
Total Solids	(110 °C)	92.6%	XXX
Total Residual Solids	(550 °C)	22.8%	XXX
Arsenic	mg/kg	2.7	0.57
Barium	"	4.2	<0.01
Cadmium	"	<0.01	<0.01
Chromium	"	10	<0.01
Lead	"	90	<0.01
Mercury	"	<1.0	<.01
Selenium	"	21.3	0.125
Silver	"	<0.01	<0.01

By:

BSBruns

Bruce S. Bruns
Laboratory Supervisor TIERRA-D-000185

CURRENTLY OPERATING COMMERCIAL SANITARY LANDFILLS
REGISTERED FOR INDUSTRIAL WASTE (I.D. #27) 4/1/79

ATLANTIC COUNTY

0108E*	Price Trucking Co. S.L.F.
0112B	Hamilton Twp. S.L.F.
0113A	Hammonton City S.L.F.
0117A	Mullica Twp. S.L.F.
0120A	Port Republic S.L.F.

BERGEN COUNTY

0232B	Bergen County S.L.F.
0239A*	P&M Sanitation S.L.F.
0239B*	Egan & Sons S.L.F.

BURLINGTON COUNTY

0304A	Parklands Reclamation
0308C*	Sanitary Landfill Inc.
0315B*	Florence Land Recontouring
0323A*	Landfill & Development S.L.F.
0333A*	Big Hill S.L.F.

CAMDEN COUNTY

0415C*	Amadei S.L.F.
0427A	Pennsauken Twp. S.L.F.
0436A	Winslow Twp. S.L.F.

CAPE MAY COUNTY

0504B	Dennis Twp. S.L.F.
-------	--------------------

CUMBERLAND COUNTY

0601A*	Bridgeton City S.L.F.
0602A	Commercial Twp. S.L.F.
0610A	Milville City S.L.F.

GLOUCESTER COUNTY

0802B*	Kinsley's S.L.F.
0808A*	Henry Harris S.L.F.
0810A*	Helen Kramer S.L.F.
0811A	Monroe Twp. S.L.F.

* LICENSED BY THE PUBLIC UTILITIES COMMISSION TO ACCEPT WASTES FOR
DISPOSAL ON A COMMERCIAL BASIS

HUDSON COUNTY

0907F*
0909A*

M.S.L.A. S.L.F.
Mall S.L.F.

MIDDLESEX COUNTY

1204A*
1205A*
1209A*
1221B*

Edgeboro Disposal Inc.
Edison Twp. S.L.F.
Global Land Reclaiming Corp.
South Brunswick Twp.

MONMOUTH COUNTY

1309B
1316A*
1319B*
1340A

Shrewsbury Disposal S.L.F.
Lone Pine Corp. S.L.F.
Waste Disposal Inc. S.L.F.
Red Bank S.L.F.

MORRIS COUNTY

1407A*
1427A*

Combe S.L.F. (Chester Site)
Combe S.L.F. (Mt. Olive Site)

OCEAN COUNTY

1506B*
1511A*
1514A
1516A
1518A*
1520A*

Brick Twp. S.L.F.
Jackson Twp. S.L.F.
Lakewood Twp. S.L.F.
Little Egg Harbor Twp.
Ocean County L.F. Corp.
Southern Ocean L.F.

SALEM COUNTY

1706A
1712A

Oldmans Twp. S.L.F.
Salem City S.L.F.

SOMERSET COUNTY

1810A
1818A

Hillsborough Twp. S.L.F.
Somerville Boro. S.L.F.

WARREN COUNTY

2105A

High Point Sanitation S.L.F.



HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

100 Meadowland Parkway • Secaucus, N.J. 07094
Telephone: (201) 864-1220 N.J. Centrex (201) 648-2322



December 11, 1979

Joseph A. LeFante
Chairman

Patricia Q. Sheehan
Executive Director

Ed Pyskaty
C. Pyskaty & Sons
800 Castle Road
Secaucus, New Jersey 07094

Commissioners:

Michael J. Breslin, Jr.
Peter F. Curcio
Edwin J. Doyle
Richard D. Milano
Warren B. Murphy

Re: Disposal of Solidified Plastic Resin
at the MSLA Landfill, Kearny, N.J.

Dear Mr. Pyskaty:

This Office has reviewed the request of C. Pyskaty & Sons, acting as agents for EFKA Plastic Corporation, Bayonne, N.J., to dispose of 250 drums of solidified plastic resin at the MSLA Landfill in Kearny, New Jersey. We have also received a letter from A. Katz of EFKA describing the waste material.

Based upon our review, we have determined, from our discussions and analyses of similar materials at other plastics companies, that the proposed material is a non-hazardous industrial waste (NJ I.D.#27).

Therefore, your request to dispose of this material is hereby approved. All drums containing this material shall be sealed tightly. Disposal of other materials of this type from EFKA Plastic Corp. shall only be by written permission of this Office.

Sincerely,

OFFICE OF THE CHIEF ENGINEER

JOHN T. BOLAN, P.E.
ASSISTANT SUPERVISING ENGINEER

JTB/cv

cc: R. Generazzo, MSLA



HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

100 Meadowland Parkway • Secaucus, N.J. 07094
Telephone: (201) 864-1220 N.J. Centrex (201) 648-2322



December 7, 1979

Joseph A. LeFante
Chairman

Patricia Q. Sheehan
Executive Director

William C. Kraemer, P.E.
BASF-Wyandotte Corp.
50 Central Avenue
Kearny, New Jersey 07032

Commissioners:

Michael J. Breslin, Jr.
Peter F. Curcio
Edwin J. Doyle
Richard D. Milano
Warren B. Murphy

Re: MSLA/BASF Waste
File V-KE-20

Dear Mr. Kraemer:

This Office has reviewed the request of Andax Environmental Corp., acting as agents for BASF-Wyandotte Corp., to dispose activated charcoal sludge resulting from the cleaning of a clarifier unit in the waste water pretreatment systems located in Kearny, New Jersey. We have also reviewed a chemical analysis of this material, prepared by BASF and a letter from the Solid Waste Administration approving the landfill disposal of this matter as a non-hazardous industrial waste.

Based upon our review, we have determined that this material is chemically similar to the charcoal sludge from BASF previously approved for disposal by this Office.

Therefore, your request to dispose of the activated charcoal sludge from the clarifier cleaning is hereby approved. This approval will expire on January 1, 1980.

Sincerely,

OFFICE OF THE CHIEF ENGINEER

JOHN T. BOLAN, P.E.
ASSISTANT SUPERVISING ENGINEER

JTB/cv

cc: F. McAtarian
Andax Environmental Corp.

HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

100 Meadowland Parkway • Secaucus, N.J. 07094
Telephone: (201) 864-1220 N.J. Centrex (201) 648-2322



November 29, 1979

Joseph A. LeFante
Chairman

Patricia Q. Sheehan
Executive Director

Mr. Roger Generazzo
Municipal Sanitary Landfill Authority
600 Belleville Turnpike
Kearny, New Jersey 07032

Re: MSLA Site I-D
File 71-175

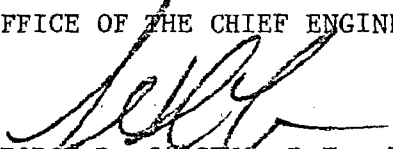
Dear Mr. Generazzo:

This Office has recently inspected the above referenced landfill site, revealing that you are presently dumping a dark sludge type material at the site. This material is not cover material. Since there should be no other trucks entering this site other than trucks carrying acceptable cover materials, you are hereby ordered to cease and desist the dumping of this sludge material immediately. Failure to do so will result in the matter being turned over to the Deputy Attorney General's Office.

We anticipate your prompt response.

Sincerely,

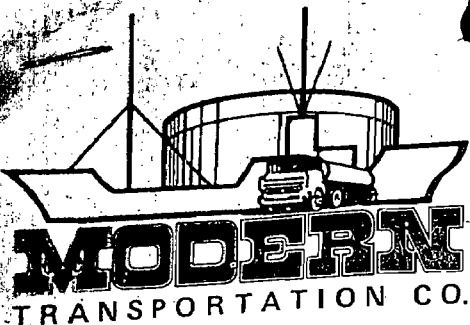
OFFICE OF THE CHIEF ENGINEER


GEORGE D. CASCINO, P.E., P.P.
CHIEF ENGINEER

CLD/cv

cc: Meyer Weinberg

CERTIFIED RECEIPT #3151373



75 JACOBUS AVENUE, SOUTH KEARNY, NEW JERSEY 07032
201-589-0277

November 5, 1979

Hackensack Meadowlands Development Commission
100 Meadowland Parkway
Secaucus, New Jersey 07094

Attention: Mr. John Bolan
Principal Environmental Engineer

RE: Lime Filter Cake Analyses

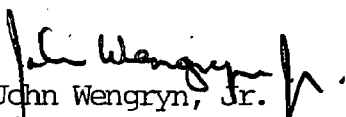
Gentlemen:

In accordance with Mr. George D. Cascino's letter dated July 28, 1976, enclosed please find completed Report No. 86074-411 lime filter cake analyses which is being generated at our South Kearny Acid/Caustic Neutralization Facility.

Should you require any additional information with regard to the enclosed, please do not hesitate to contact this office.

Very truly yours,

MODERN TRANSPORTATION CO.


John Wengryn, Jr.
mjc

Enclosure
(as noted)

RECEIVED

NOV - 5 1979

H M D C



United States Testing Company, Inc.

Environmental Sciences Division

1415 PARK AVENUE • HOBOKEN, NEW JERSEY 07030 • 201-792-2400

REPORT OF TEST

86074-411

NUMBER

CLIENT: Modern Transportation
75 Jacobus Avenue
South Kearny, NJ 07032

November 5, 1979

SUBJECT: Sample(s) submitted and identified by the Client as:
Line filter cake generated by acid-caustic neutralization
system, collected 10/1/79.

Project: Chemical Analysis of the submitted samples
Biological Analysis of the submitted samples

Procedure:

The analyses were performed in accordance with the current United States Environmental Protection Agency procedural requirements for National Pollutant Discharge Elimination System Permits as specified by the Environmental Protection Agency, unless modifications or alterations of the specific procedures are indicated. The procedures can be found in the following specified references.

- 1) Methods for Chemical Analysis of Water and Wastes, Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio, 1979
- 2) Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 14th edition, 1975
- 3) Annual Book of Standards, part 31, 1979, American Society of Testing and Materials
- 4) Hackensack Meadowland Development Corp. procedural requirements for leachability

RECEIVED

NOV - 5 1979

HAND

SIGNED FOR THE COMPANY

BY

Allan Tordini

Page 1 of 2

E. Fider/dc

Laboratories in: New York • Chicago • Los Angeles • Tulsa • Memphis • Philadelphia • Richland

UNITED STATES TESTING COMPANY, INC. REPORTS AND LETTERS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED AND THEY AND THE NAME OF THE UNITED STATES TESTING COMPANY, INC. OR ITS SEALS OR INSIGNIA ARE NOT TO BE USED UNDER ANY CIRCUMSTANCES IN ADVERTISING TO THE GENERAL PUBLIC AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME OF UNITED STATES TESTING COMPANY, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. OUR REPORTS APPLY ONLY TO THE STANDARDS OR PROCEDURES IDENTIFIED, TO THE TESTS CONDUCTED, AND TO THE SAMPLE(S) TESTED AND/OR INSPECTIONS MADE. UNLESS OTHERWISE SPECIFIED, THE TEST AND/OR INSPECTION RESULTS ARE NOT INDICATIVE OR REPRESENTATIVE OF THE QUALITIES OF THE LOT FROM WHICH THE SAMPLE WAS TAKEN OR OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS AND NOTHING CONTAINED IN OUR REPORTS SHALL BE DEEMED TO IMPLY OR MEAN THAT UNITED STATES TESTING COMPANY, INC. CONDUCTS ANY QUALITY CONTROL PROGRAM FOR THE CLIENT TO WHOM THE REPORT IS ISSUED. SAMPLES NOT DESTROYED IN TESTING ARE RETAINED A MAXIMUM OF THIRTY DAYS.

United States Testing Company, Inc.
 CLIENT: Modern Transportation

Number

11/5/79

Results:

<u>Sample I.D.</u>	<u>Dry Solids (mg/kg dry weight)</u>	<u>Leachate (mg/l)</u>	<u>mg Leached per Kg Dry Solids</u>
Chromium	24	0.17	1.7
Copper	<8.0	<0.02	<0.2
Lead	18	<0.1	<1
Magnesium	1600	0.07	0.7
Mercury	<0.1	<0.0002	<0.002
Zinc	8.0	<0.005	<0.05
COD	-	33	330
Acidity	N.D.	N.D.	-
Alkalinity:			
OH	0	-	-
CO ₃	22,200	-	-
HCO ₃	3,100	-	-
Phenol	-	<0.005	<0.05
pH (units)		11.15	-
Calcium	20.4%	660	6,600
ORP (mv)	-230	-	-
Color (units)	-	<1	-
Density (#/ft ³ , dry)	68.7	-	-
Moisture (% as received)	85	-	-
BOD ₅	-	N.D.	-
TSS (%)	97.7	-	-

"<" indicates non-detected concentrations less than value shown.

RECEIVED

NOV - 5 1979

L M D C



HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

100 Meadowland Parkway • Secaucus, N.J. 07094
Telephone: (201) 864-1220 N.J. Centrex (201) 648-2322



November 7, 1979

Joseph A. LeFante
Chairman

Patricia Q. Sheehan
Executive Director

Douglas Nielsen
Principal Engineer
Gas Planning Department
Public Service Electric & Gas Co.
80 Park Place
Newark, New Jersey 07101

Commissioners:

Michael J. Breslin, Jr.
Peter F. Curcio
Edwin J. Doyle
Richard D. Milano
Warren B. Murphy

Re: Use of MSLA Site I-D for Methane
Gas Recovery
File 71-175

Dear Mr. Nielsen:

In accordance with your requests for additional information relative to a proposed methane gas recovery system at MSLA Site I-D, herewith is the following:

1. Property Owners: A map, at a scale of 1"=200', is enclosed showing the property owners between Harrison By-Products, the proposed user of the recovered methane, and MSLA Site I-D, the source of the methane. I-280 is shaded on the map.
2. Solid Waste Volumes of I-D: According to our records, we have estimated that the following amounts of solid waste were disposed of at I-D:

As of 1971 (HMDC Regulations Start)	=	1,110,780 Tons
End of 1971	=	277,260 Tons
1972	=	340,470 Tons
1973	=	403,680 Tons
1974	=	367,740 Tons
1975	=	329,990 Tons
1976	=	343,200 Tons
1977	=	397,800 Tons
1978	=	452,400 Tons
1979 (thru 9/79)	=	87,750 Tons
<u>Total</u>	=	<u>4,111,070 Tons</u>

3. Composition of Solid Waste: According to analyses made for the HMDC by Arthur D. Little, Inc., typical HMDC solid waste has the following characteristics:

Paper	40%	(All % by Weight)
Wood	8.4%	
Leather	.6%	
Rubber	1.1%	
Plastics	2.5%	
Metal	7.1%	
Glass	10.3%	
Textiles	2.5%	
Food	9.3%	
Yard Wastes	12.0%	
Miscel.	5.3%	

4. Lease of Site I-D: Our preliminary review of the lease between MSLA and the Town of Kearny, dated April 11, 1979, indicates that the lease terminates for all areas filled to the height limitations set by the HMDC or for which governmental permits are revoked or not renewed (Sections 24 and 33). In addition, the lease gives no express mineral rights or methane gas recovery rights to MSLA for any of the areas it leases.

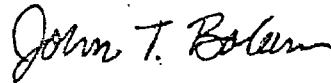
Since Site I-D's operating permit was not renewed by HMDC because it had reached its height limitation, later upheld by the Appellate Division of N.J. Superior Court, it appears that the Town of Kearny is the owner of any methane gas contained in Site I-D. Thus, negotiations with the Town of Kearny appear to be the optimum route for securing the rights to the methane gas contained in Site I-D.

5. Proposed Route of Gas Pipeline: Our review of Sheets #27 and 28 of the I-280 plans and our discussion with the NJDOT resident engineer indicates that a crossing, for a proposed gas pipeline, under I-280 is not feasible and likely to be quite expensive. It is suggested that a route following the Con-Rail tracks from the backgate of Harrison By-Products and underneath the existing I-280 bridge over the Con-Rail tracks be utilized (see property map for location). The proposed pipeline could be buried thru most of the area owned by Con-Rail, excepting a small bridge over Franks Creek where it could either follow the bridge structure or be buried under Franks Creek. One additional area of note is the P.S.E.&G. R.O.W., which contains a duct bank of high voltage electric cables recently placed as part of I-280. In this area, the pipeline should be above ground.

I hope this answers your request. Please advise us as to results of the evacuated samples taken for gas chromatograph analysis.

Sincerely,

OFFICE OF THE CHIEF ENGINEER



JOHN T. BOLAN, P.E.
ASSISTANT SUPERVISING ENGINEER

JTB/cv

cc: R. Theobald, Harrison By-Products
(w/enc.)

Enc.

MUNICIPAL SANITARY LANDFILL AUTHORITY

600 BELLEVILLE TURNPIKE
KEARNY, NEW JERSEY 07032

November 22, 1979

Mr. John Bolan, P.E.
Hackensack Meadowland Development Commission
100 Meadowland Parkway
Secaucus, New Jersey

Re: M.S.L.A. Combustible Gas
Monitoring Program

Dear Mr. Bolan:

The following are the results of our latest tests:

	<u>October 29, 1979</u>		<u>November 22, 1979</u>	
	<u>Site I-C</u> *	<u>Site I-D</u> **	<u>Site I-C</u> *	<u>Site I-D</u> **
Methane	0.2%	0.25%	0.1%	0.3%
Hexane	3%	5%	1%	6%
Oxygen	19%	20%	20%	20%

* Maintenance garage

** Surface crack

The location of these points are in accordance with those approved by the H.M.D.C. in January 28, 1979.

Should there be any questions please do not hesitate to call this office.

Very truly yours,

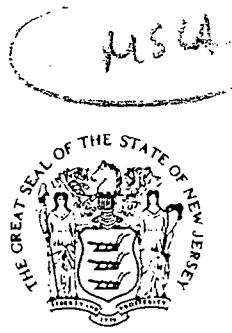

Dennis Backus, P.E.
Chief Engineer

DB:vg

RECEIVED

NOV 27 1979

H M D C



HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION

One DeKorte Park Plaza • Lyndhurst, New Jersey 07071
Telephone: (201) 460-1700 N.J. Centrex: (201) 648-2322

December 3, 1982

JOHN P. RENNA
Chairman

ANTHONY SCARDINO, JR.
Executive Director

Andy Fydryszewski
Browning-Ferris Industries of Elizabeth,
New Jersey, Inc.
714 Division Street, P.O. Box 508
Elizabeth, New Jersey 07207

Commissioners:
ANGELO A. CIFELLI
J. FLETCHER CREAMER
PETER F. CURCIO
RICHARD D. MILANO
ARNOLD R. SMITH, P.E.
RICHARD C. VAUGHAN, ESQ.

RE: Disposal of Outdated Pharmacueticals from
Schering Corp. Union, New Jersey

Dear Mr. Fydryszewski:

This Office has reviewed the request of BFI of Elizabeth, on behalf of Schering Corporation, Union, New Jersey to dispose of approximately 360 cubic yards of out-dated pharmacueticals at a solid waste facility in the Hackensack Meadowlands. We understand that these pharmaceuticals consist of cold remedies, skin creams and miscellaneous preparations; all of which would be allowed for human use if they were not outdated.

Based upon our review, your request is hereby approved, subject to the following conditions:

1. No other waste materials nor additional quantities of the above waste materials from Schering shall be disposed without the prior written permission of the Office.
2. All waste materials approved herein shall be disposed only at approved sites in accordance with the HMDC Solid Waste Management Plan.
3. All vehicles carrying waste materials shall bear HMDC Decals and appropriate rate averaging tickets shall be purchased for the loads disposed.
4. Should there be operational problems due to the disposal of waste materials, HMDC reserves the right to impose additional conditions to correct any operational problems caused by disposal

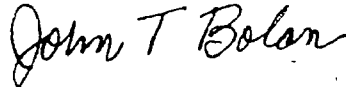
BAM000054

December 3, 1982
Page 2

If you should have any questions, please do not hesitate to contact this Office.

Sincerely,

OFFICE OF THE CHIEF ENGINEER



John T. Bolan, P.E.
Asst. Chief Engineer
Environmental

JB/lf

CC: M. Alliston
R. Generazzo, MSLA
J.S. Keith, Schering Corporation

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON, NJ	ALL COUNTY ENVIRONMENTAL 1 RIVER ROAD EDGEWATER, NJ					
NJD001890300	NJT000027821		NJ00124345	08/09/82	NO LINE ITEMS FOR THIS MANIFEST	
NJD001890300	AMERICAN LANDFILL/BREITENSTI 7916 CHAPEL STREET, S E WAYNESBURG, OH	NJC876000035	NJA1311616	12/14/93	X725 OIL SPILL CLEANUP MATERIAL	18 CY
			NJA1311617	12/14/93	X725 OIL SPILL CLEANUP MATERIAL	18 CY
	CHEMICAL WASTE MGMT OF NJ 100 LISTER AVE NEWARK, NJ	NJD089216790	NJA0624081	10/10/89	X799 CONTAINERS, CRUSHED EMPTY (RINSE X910 CHEMICAL PROCESS-SOLID,NOS D001 CHARACTERISTIC OF IGNITABILITY X910 CHEMICAL PROCESS-SOLID,NOS	5092 P 61 P 5 G 32 G
			NJA0624171	10/10/89	D002 CHARACTERISTIC OF CORROSIVITY X900 CHEMICAL PROCESS-LIQUID,NOS D001 CHARACTERISTIC OF IGNITABILITY	200 G 155 G 140 G
			NJA0655682	10/10/89	D002 CHARACTERISTIC OF CORROSIVITY X900 CHEMICAL PROCESS-LIQUID,NOS X900 CHEMICAL PROCESS-LIQUID,NOS X900 CHEMICAL PROCESS-LIQUID,NOS	225 G 225 G 55 G 255 G
			NJA0655728	10/16/89	X900 CHEMICAL PROCESS-LIQUID,NOS D002 CHARACTERISTIC OF CORROSIVITY D002 CHARACTERISTIC OF CORROSIVITY X910 CHEMICAL PROCESS-SOLID,NOS	30 G 165 G 30 G 60 P
			NJA0655729	10/10/89	F003 NON HAL SOLV & STLBTM U188 PHENOL D002 CHARACTERISTIC OF CORROSIVITY D001 CHARACTERISTIC OF IGNITABILITY	64 G 16 G 16 G 25 G
	CHEMICAL WASTE MGMT PA INC W 11TH AVE & VALLEY RD COATESVILLE, PA	PAD064375470	PAA4540594	06/25/84	X726 OIL/MT/ WRK, TURBN, DESEL, QUENCH	325 G

BAA000011

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY				
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON , NJ NJD001890300	CLEAN EARTH OF NORTH JERSEY 105 JACOBUS AVE S KEARNY , NJ NJD991291105	NJA0039253	11/21/85	X725	OIL SPILL CLEANUP MATERIAL	18 CY				
		NJA0039254	11/21/85	X725	OIL SPILL CLEANUP MATERIAL	18 CY				
		NJA0039256	12/03/85	X725	OIL SPILL CLEANUP MATERIAL	18 CY				
		NJA0039257	10/21/86	X725	OIL SPILL CLEANUP MATERIAL	18 CY				
		NJA1085497	11/15/90	D002	CHARACTERISTIC OF CORROSIVITY	1774 G				
G R O W S INC LANDFILL 1513 BORDENTOWN RD MORRISVILLE , PA PAD000429589	NJ00019257	03/19/81	X725	OIL SPILL CLEANUP MATERIAL	25000 P					
MARISOL INC 125 FACTORY LANE MIDDLESEX , NJ NJD002454544	NJ00166845	10/12/83	F003	NON HAL SOLV & STLBTM	100 G					
			X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	750 G					
OIL RECOVERY CO INC CINCO BLVD CLAYTON , NJ NJD000560094	NJ00048713	02/06/85	X725	OIL SPILL CLEANUP MATERIAL	4800 G					
						NJA0048715	02/07/85	X725	OIL SPILL CLEANUP MATERIAL	1100 G
						NJA0077840	06/10/85	X722	WAST OIL/BTM RES/COMM TANK CLN	300 G
						NJA0092750	06/12/85	X722	WAST OIL/BTM RES/COMM TANK CLN	2000 G
						NJ00024399	02/11/81	X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	2000 G
ONYX ENVIRONMENTAL SERVICES 1 EDEN LANE FLANDERS , NJ NJD080631369	NJ00072388	04/30/85	F003	NON HAL SOLV & STLBTM	400 P					
			F001	SPT HAL SOLV&SLUDG DEGREAS OPE	2000 P					
			X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	1200 P					
			X900	CHEMICAL PROCESS-LIQUID,NOS	400 P					
			X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	2400 P					
			X900	CHEMICAL PROCESS-LIQUID,NOS	800 P					

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON, NJ	ONYX ENVIRONMENTAL SERVICES 1 EDEN LANE FLANDERS, NJ					
NJD001890300	NJD080631369	NJA0141740	10/23/85	D001	CHARACTERISTIC OF IGNITABILITY	7200 P
				X940	POISON/PESTICIDE,NOS	1600 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	25 P
				X910	CHEMICAL PROCESS-SOLID,NOS	300 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	2400 P
		NJA0165388	06/12/86	D003	CHARACTERISTIC OF REACTIVITY	24 P
				U213	TETRAHYDROFURAN (I)	400 P
				U001	ACETALDEHYDE	8 P
				D001	CHARACTERISTIC OF IGNITABILITY	108 P
				U108	1,4-DIOXANE	16 P
				U117	ETHYL ETHER (I,T)	10 P
				D002	CHARACTERISTIC OF CORROSIVITY	10 P
		NJA0165663	05/19/86	D001	CHARACTERISTIC OF IGNITABILITY	2000 P
				D002	CHARACTERISTIC OF CORROSIVITY	1120 P
				X940	POISON/PESTICIDE,NOS	520 P
				F002	SPT HAL SOLV&STLBTM OF DEGREAS	200 P
				X850	PACKED LABORATORY CHEMICALS	840 P
		NJA0165914	12/05/85	D001	CHARACTERISTIC OF IGNITABILITY	1200 P
				F003	NON HAL SOLV & STLBTM	2000 P
				F001	SPT HAL SOLV&SLUDG DEGREAS OPE	2500 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	1450 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	400 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	800 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	2100 P
				X910	CHEMICAL PROCESS-SOLID,NOS	400 P
		NJA0170343	06/19/86	D001	CHARACTERISTIC OF IGNITABILITY	960 P
				D002	CHARACTERISTIC OF CORROSIVITY	250 P
				X940	POISON/PESTICIDE,NOS	320 P
				F002	SPT HAL SOLV&STLBTM OF DEGREAS	40 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	80 P
				X850	PACKED LABORATORY CHEMICALS	1520 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	280 P
		NJA0170537	06/12/86	U154	METHANOL	1200 P
				U002	ACETONE (I)	800 P
				D001	CHARACTERISTIC OF IGNITABILITY	2800 P
				U140	ISOBUTYL ALCOHOL	400 P
				U220	TOLUENE	1200 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	400 P
				U228	TRICHLORETHYLENE	700 P
				U210	TETRACHLOROETHENE	700 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	800 P

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON , NJ	ONYX ENVIRONMENTAL SERVICES 1 EDEN LANE FLANDERS , NJ					
NJD001890300	NJD080631369	NJA0215543	08/11/86	D001	CHARACTERISTIC OF IGNITABILITY	85 P
		NJA0215634	08/18/86	D001	CHARACTERISTIC OF IGNITABILITY	3000 P
				D002	CHARACTERISTIC OF CORROSIVITY	810 P
				X940	POISON/PESTICIDE,NOS	1610 P
				U151	MERCURY	10 P
				X850	PACKED LABORATORY CHEMICALS	400 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	240 P
		NJA0216168	07/10/86	D001	CHARACTERISTIC OF IGNITABILITY	10 P
				X850	PACKED LABORATORY CHEMICALS	720 P
		NJA0216423	06/26/86	F003	NON HAL SOLV & STLBTM	2000 P
				D001	CHARACTERISTIC OF IGNITABILITY	580 P
				D002	CHARACTERISTIC OF CORROSIVITY	280 P
				X940	POISON/PESTICIDE,NOS	160 P
				X850	PACKED LABORATORY CHEMICALS	80 P
		NJA0247338	11/11/86	D001	CHARACTERISTIC OF IGNITABILITY	8 P
		NJA0317092	06/10/87	D001	CHARACTERISTIC OF IGNITABILITY	112 P
		NJA0317803	05/01/87	U213	TETRAHYDROFURAN (I)	400 P
				D001	CHARACTERISTIC OF IGNITABILITY	28 P
				D001	CHARACTERISTIC OF IGNITABILITY	44 P
				D001	CHARACTERISTIC OF IGNITABILITY	7 P
				P030	CYANIDES	10 P
		NJA0317811	05/01/87	D001	CHARACTERISTIC OF IGNITABILITY	120 P
				D002	CHARACTERISTIC OF CORROSIVITY	5610 P
				X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	100 P
				F002	SPT HAL SOLV&STLBTM OF DEGREAS	500 P
				X940	POISON/PESTICIDE,NOS	60 P
				X725	OIL SPILL CLEANUP MATERIAL	300 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	1320 P
				X910	CHEMICAL PROCESS-SOLID,NOS	1500 P
				X850	PACKED LABORATORY CHEMICALS	220 P
		NJA0483102	10/19/88	X900	CHEMICAL PROCESS-LIQUID,NOS	1200 P
				X910	CHEMICAL PROCESS-SOLID,NOS	200 P
		NJ00019163	02/18/81	F002	SPT HAL SOLV&STLBTM OF DEGREAS	636 G
				X900	CHEMICAL PROCESS-LIQUID,NOS	40 G
		NJ00019184	02/19/81	F002	SPT HAL SOLV&STLBTM OF DEGREAS	204 G
				X900	CHEMICAL PROCESS-LIQUID,NOS	51 G

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY			
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON, NJ NJD001890300	ONYX ENVIRONMENTAL SERVICES 1 EDEN LANE FLANDERS, NJ NJD080631369	NJ00019184	02/19/81	X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	350 G			
				F005	NONHL SOLV & STLBTM	50 G			
				F003	NON HAL SOLV & STLBTM	50 G			

				NJ00117823	08/09/82	X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	3000 P	
						X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	300 G	

				NJ00117868	08/13/82	D001	CHARACTERISTIC OF IGNITABILITY	4400 P	

				NJ00239941	09/13/84	F003	NON HAL SOLV & STLBTM	400 P	
X726	OIL/MT/ WRK, TURBN, DESEL, QUENCH	5200 P							
<hr/>									
REPUBLIC ENVL RECYCLING INC CENCO BLVD BOX 275 CLAYTON, NJ NJD981133150		NJA0092730	01/16/86	X722	WAST OIL/BTM RES/COMM TANK CLN	500 G			

				NJA0140223	01/10/86	X722	WAST OIL/BTM RES/COMM TANK CLN	3700 G	

				NJA0140224	01/13/86	X722	WAST OIL/BTM RES/COMM TANK CLN	4000 G	

				NJA0140225	01/14/86	X722	WAST OIL/BTM RES/COMM TANK CLN	4000 G	

NJA0140227	01/15/86	X722	WAST OIL/BTM RES/COMM TANK CLN	4000 G					

NJA0140228	01/16/86	X722	WAST OIL/BTM RES/COMM TANK CLN	4000 G					
<hr/>									
RESOURCE TECHNICAL SERVICES SIX BERKLEY ROAD DEVON, PA PAT000604108		PAA4678472	06/23/82	D001	CHARACTERISTIC OF IGNITABILITY	495 G			
				D002	CHARACTERISTIC OF CORROSIVITY	110 G			
				F001	SPT HAL SOLV&SLUDG DEGREAS OPE	55 G			

				PAA4678564	06/23/82	F001	SPT HAL SOLV&SLUDG DEGREAS OPE	55 G	
<hr/>									
SAFETY-KLEEN (BRIDGEPORT) IN 2858 ROUTE 322 BRIDGEPORT, NJ NJD053288239		NJA0039240	10/29/85	D001	CHARACTERISTIC OF IGNITABILITY	17 T			

				NJA0039995	08/07/85	D001	CHARACTERISTIC OF IGNITABILITY	17 T	

NJA0039996	08/02/85	D001	CHARACTERISTIC OF IGNITABILITY	15 T					

HWR1531
05/23/05 ,

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

PAGE

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON , NJ	SAFETY-KLEEN (BRIDGEPORT) IN 2858 ROUTE 322 BRIDGEPORT , NJ					
NJD001890300	NJD053288239	NJA0039997	08/05/85	D001	CHARACTERISTIC OF IGNITABILITY	46660 P
		NJA0108259	10/10/84	D001	CHARACTERISTIC OF IGNITABILITY	7 T
		NJA0108260	10/03/84	D001	CHARACTERISTIC OF IGNITABILITY	18 T
		NJA0108261	10/02/84	D001	CHARACTERISTIC OF IGNITABILITY	17 T
		NJA0108266	10/08/84	D001	CHARACTERISTIC OF IGNITABILITY	17 T
		NJA0108267	10/01/84	D001	CHARACTERISTIC OF IGNITABILITY	19 T
		NJA0108268	09/27/84	D001	CHARACTERISTIC OF IGNITABILITY	16 T
		NJA0108269	09/26/84	D001	CHARACTERISTIC OF IGNITABILITY	15 T
		NJA0123785	10/31/85	D001	CHARACTERISTIC OF IGNITABILITY	17 T

83 WORK FILE RECORDS READ
185 LINE ITEMS RECORDS READ

HWR1631
05/23/05

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

PAGE 5

WASTE MANIFESTS FROM 01/01/95 TO 05/23/05
FROM GENERATOR NJD001890300 TO SPECIFIED TSDF'S

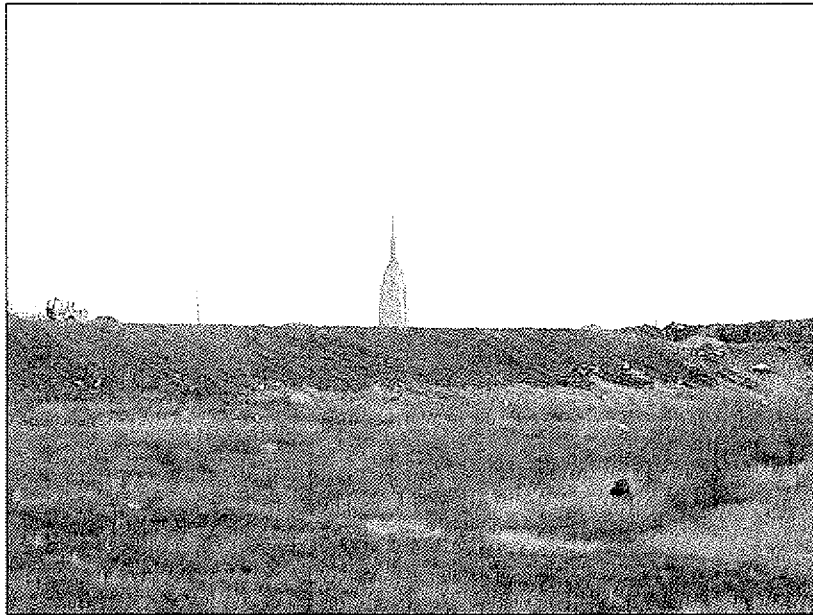
GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
TENNECO CHEM/DOREMUS ENV PO BOX 129 RIVER ROAD FLEMINGTON, NJ NJD001890300	LIDLAW ENVIRONMENTAL SERVIC 3527 WHISKEY BOTTOM RD LAUREL, MD MDD980554653	MDC0683239	11/04/96	D040	TRICHLORETHYLENE	900 P
<hr/>						
	NORTHEAST CHEMICAL CORP 3301 MONROE AVE CLEVELAND, OH OHD980681571	NJA2289965	04/06/99	D040	TRICHLORETHYLENE	4900 P
		NJA2568833	05/18/98	D040	TRICHLORETHYLENE	5250 P

35 WORK FILE RECORDS READ
47 LINE ITEMS RECORDS READ

The Leader

"Pulse of the Meadowlands"

THE LAND FULL OF LANDFILLS
Date: Wednesday, December 17 @ 15:45:27 EST
Topic: Breaking News



By John Soltes
Editor-in-Chief

(Dec. 17, 2008, 5:20 p.m.) — During the winter months, when there's a brisk chill in the air and the leaves have already performed their pirouetting parachute to the ground, the views from the ridge off Schuyler Avenue in North Arlington are almost beautiful.

Almost.

Through the labyrinth thicket of branches and bushes, alongside a precipitous drop-off to the Porete Avenue industrial district below, children and parents enjoying a nearby park can just barely see the New York City skyline over an imposing man-made mound.

Most of Midtown Manhattan is hidden, with only the lonely spire of the Empire State Building peeking its head above the horizon. There's a better view of Downtown Manhattan, but it too is an abbreviated gander. The protruding dune is still in the way.

But thanks to hungry microorganisms with an appetite for destruction, the views from the ridge may improve in the next few decades.

DAA000001

Click [READ MORE](#) for the complete story.

By John Soltes
Editor-in-Chief

(Dec. 17, 2008, 5:20 p.m.) — During the winter months, when there's a brisk chill in the air and the leaves have already performed their pirouetting parachute to the ground, the views from the ridge off Schuyler Avenue in North Arlington are almost beautiful.

Almost.

Through the labyrinth thicket of branches and bushes, alongside a precipitous drop-off to the Porete Avenue industrial district below, children and parents enjoying a nearby park can just barely see the New York City skyline over an imposing man-made mound.

Most of Midtown Manhattan is hidden, with only the lonely spire of the Empire State Building peeking its head above the horizon. There's a better view of Downtown Manhattan, but it too is an abbreviated gander. The protruding dune is still in the way.

But thanks to hungry microorganisms with an appetite for destruction, the views from the ridge may improve in the next few decades. In the future, one may just be able to see the surrounding cousins of the Empire State Building, and the Big Apple will once again look like a city, rather than a one-skyscraper town.

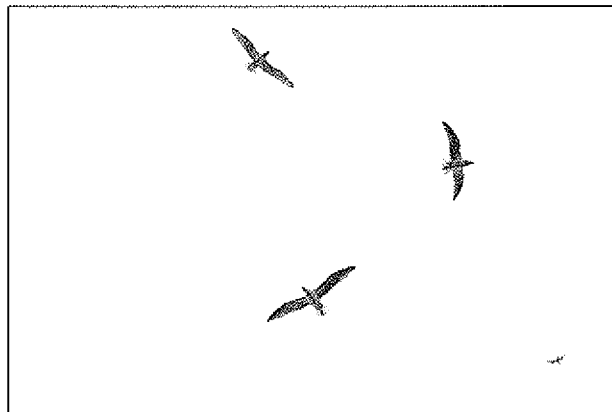
On Dec. 31, that small hill — the controversial 1E landfill — will close for good, having reached its capacity set by the state Department of Environmental Protection, according to Robert Ceberio, executive director of



Photo by John Soltes



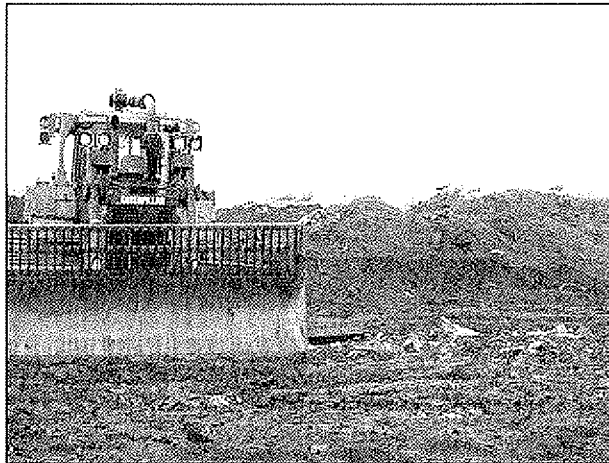
Photo by Alexis Tarrazi



the New Jersey Meadowlands Commission.

Photo by John Soltes

With no more garbage dumped upon its property, the landfill will be at the mercy of the microorganisms, who will continue to eat and eat and eat. As they munch, the height of the landfill will drop, according to Tom Marturano, director of Natural Waste and Solid Resources for the NJMC.



Evidence of this can be seen at the southern section of 1E, which has been closed since 1987. In nearly 20 years, the southern section has dropped 40 feet, and it's still going.

Photo by Alexis Tarrazi

Give the microorganisms a few years, and the grand views from the ridge and nearby Morton, Avon, Renner and Stratford places will probably return.

But although the closing of a landfill seems like a positive development, there are negative consequences as well.

With its closure, the Borough of North Arlington stands to lose hundreds of thousands of dollars in revenue. For years, the municipality was in the garbage business, with the landfill accepting commercial waste from all over northeastern New Jersey. The borough received roughly \$1 million in hosting fees for having the landfill in its boundary.

Another issue is the adjacent transfer facility, which for years accepted North Arlington's household garbage. The NJMC, which has zoning rights over both garbage sites, has been paying the tipping fees for the borough to dump its trash.

Now those tipping fees will fall on the borough and could cost roughly \$600,000 annually. Coupled with the landfill, North Arlington will have a budget shortfall of \$1.6 million to deal with in the coming year.

The borough was given a temporary financial reprieve when both the landfill and transfer facility were granted an extension from their original July 2008 closing date.

An even larger elephant in the room is EnCap Golf Holdings LLC, the company that was set to develop the landfill and transfer facility area. Because EnCap is currently staging a last-ditch fight in U.S. Bankruptcy Court in Newark, the future of the sites has been in limbo.

Will the NJMC prevail? Or will EnCap? How will North Arlington's influence factor in?

Those questions will be addressed, at least in a roundabout way, when Judge Novalyn Winfield, who is handling the bankruptcy case, decides on whether the transfer facility is to remain open. She is expected to make her decision shortly, according to Anthony D'Elia,

North Arlington's borough attorney.

But transfer facility or not, North Arlington will still have a financial burden in 2009 — a burden that the NJMC dealt with throughout 2008. The commission reported losing more than \$300,000 by keeping the transfer facility open this past year. The cost was mainly due to a reduction in tonnage, according to spokesperson Brian Aberback.

One solution that was recently floated around by Mayor Peter Massa is a bailout from the State of New Jersey.

“The state put North Arlington in the garbage business decades ago,” Massa stated in a press release. “The state and the NJMC picked EnCap to develop the Meadowlands and obviously picked a company incapable of doing the job. ... But it's not the state or the NJMC that is paying the price for EnCap's failures. We are. And that's got to end.”

Councilman Albert Granell stated that he will be asking local legislative representatives to prepare a special bailout plan for North Arlington. The borough will ask for extraordinary aid, plus a package of grants and loans.

“If the governor and the Legislature can find money to bail out cities and bail out foreclosed homeowners, they can find money to help us,” Granell stated.

The garbage sites, up close

On a recent rainy day, Meadowlands Commission officials brought employees with *The Leader* on a tour of the 1E landfill and transfer facility.

The two garbage sites sit right near the NJMC's boundary line. If one were to look at a map of the Meadowlands, from the New Jersey Turnpike looking west, you would first see the landfill; then the transfer facility; then the NJMC's district boundary; then the controversial tract of land set aside for the troubled “Arlington Valley” project in North Arlington; and then finally, the Porete Avenue industrial district.

“Arlington Valley” and Porete Avenue, the cause of much controversy and legal wrangling, are located on the outside of the NJMC boundary.

When approaching the warehouse-like transfer facility, a large sign immediately displays its history, as the silver block letters adorning the brown siding spell out, “HMDC Solid Waste Baling Facility.” Actually, the rusted letters, which have seen better days, almost spell out the aforementioned phrase. The first “i” is missing from facility.

The HMDC designation points to the Hackensack Meadowlands Development Commission, the former name of today's NJMC. Alluding to the building as a baling facility is outdated as well.

Baling, which hasn't happened at the site for roughly 11 years, was the process of taking household garbage and using one of two conveyor belts in the facility to drop the waste into a large compactor that could hold 1.5 tons. The compactor would then essentially make a cube out of the garbage — about the size of a refrigerator — and that cube would then be

placed in the 1E landfill.

SOUTH BERGEN'S LANDFILLS:

- **Avon (closed 1977)**
- **Lyndhurst (closed late 1970s)**
- **Rutherford (closed late 1970s)**
- **Kingsland (closed 1988)**
- **Erie (closed 2006)**
- **1E (to close Dec. 31, 2008)**

... in addition to a variety of private landfills, which are closed.

— Source: NJDEP

The temperature on top of the landfill on this recent tour was chilly to the point of goosebump-inducing. But inside the landfill, where the microorganisms were doing their work beneath mounds of garbage, the temperature was nearly 140 degrees, Marturano said.

When 1E closes, it will be the final landfill to close in the Southern Bergen County section of the Meadowlands. The other landfills — Lyndhurst, Rutherford, Avon, Kingsland and Erie, among others — are all in various stages of remediation. According to Marturano, 1E

Think of the 2008 film “Wall•E,” and you’ll get a good idea of a baler.

So, in fact, the rallying cry to keep the baler open is a rallying cry with an inherent flaw. Today, the old baler serves as a transfer facility, which means that trucks bringing in household waste make their way on to a large scale to be weighed. After this, the trucks deposit the garbage into the facility building, and are weighed again without the garbage.

The waste, which is now on the floor of the transfer facility, is then picked up and loaded into a bigger truck and sent to a landfill out of state.

Currently, the household trash of North Arlington is deposited in a landfill in Pennsylvania.

Waste Management, Inc., a company based in Houston, operates the activities at the transfer facility.

The 1E landfill, which sits just above the transfer facility, does not accept household garbage, but rather commercial waste from construction sites and street sweepings. And currently, at least for the next few days, it is a far more active site with trucks coming and going, depositing their refuse atop the smelly, soft-soil hill. There are several hundred companies that use the site.

A common sight on Schuyler Avenue and the Belleville Turnpike are trucks, either filled to the brim on their way to 1E or empty and cavernous on their way back.

will require 30 years of work beyond its closing date.

The history of this moment is one of symbolic importance for the local area. As of Dec. 31, South Bergen will be finished with the landfill business.

But the closing of 1E doesn't mean the Meadowlands will immediately be landfill-free. Just as one closes, another will become active again.

The 110-acre Keegan landfill, just south of 1E on Bergen Avenue in Kearny, will once again start accepting waste in the new year. It originally closed in 1972 and since then has leaked leachate into the surrounding wetlands.

To help pay for the leachate cleanup and to prevent it from continuing, commission officials said they need to reopen operations, starting Jan. 2.

Another Meadowlands conundrum: the need to accept garbage in order to make money to properly clean up the environment that was badly affected from, you guessed it, accepting garbage in the first place.

It is expected that the landfill will accept 1,800 tons per day of solid waste — bulky, construction and demolition, vegetative and dry industrial wastes, in particular.

The landfill will be allowed to reach a final elevation of 60 feet, according to an official solicitation for bids for the project. The operators of the landfill will be Waste Management, the current operators of the 1E landfill. The company's contract will be for five years with two one-year options, and the cost of services will be \$13 per ton, the current rate of 1E.

So, at least until 2015, the Meadowlands will still accept garbage.

That might be welcome news for the seagulls who currently circle the 1E landfill and adjacent transfer facility like ravenous vultures. Their feasting is not over, but soon they will have to move their operations a little further south.

This article comes from Leader Newspapers
<http://leadernewspapers.net>

The URL for this story is:
<http://leadernewspapers.net/modules.php?name=News&file=article&sid=9192>

Passaic

DEPT. OF HUMAN RESOURCES
DIVISION OF HEALTH
PASSAIC, N.J. 07055

COMPLAINT
878

1976 AUG 18 AM 11:15

August 16, 1976

AUG 25 11:15

DEPT. Board of Health
& Secretary
City Hall
Passaic, N J 07055

609 292 5560
Water Pollution Control
John Fitch Plaza
Trenton

Gentlemen:

VIOLATIONS @ CAESS ENVIRONMENTAL SERVICE
253 River Dr., Passaic, N J

As a concerned citizen, I feel it behooves me to inform both local and State authorities of flagrant and deliberate violations of State and Federal laws governing the pollution of local tidal waters.

Caess Environmental Service has a concealed pit in the floor of their maintenance garage with underground piping which discharges into the Passaic River. Through this arrangement they empty their tank trucks which contain human waste and sludge chemicals into the Passaic River.

I, and other concerned parties, will be anxious to see what action is taken to correct this deliberate violation.

We were recently informed this was done occasionally in the past, but with the closing of landfill areas it is now being done on a regular basis.

Unless this condition is rectified with appropriate action in a reasonable amount of time, we will pursue this problem through the news media.

Very truly yours,

Anonymous
In fear of repercussions

cc: N. J. Environmental Protection Dept.
25 U.S. Route #22
Springfield, N J 07081

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER POLLUTION CONTROL

878

PHONE CALL
REPORT OF
VISIT

In _____ Out _____
Date Sept. 1 ⁷⁶ Time _____

File _____

Routing _____

Person Contacted Tony Gaess, Pres. Phone No. _____

Affiliation Hades Environmental Services Corp.

Subject of ^{Call} 253 River Str. Passaic N.J.
 Visit Discharge into river

Summary of ^{Call} In response to an anonymous complaint
 Visit

received, the above referenced corp. was visited by Mr. John Madler and Mr. Tony Altieri for the purpose of inspecting the property. Mr. Tony Gaess, the pres. of the corp. accompanied us and although nothing of any ~~consequence~~ consequence was found there were still suspicious feelings on our part. For example, the pres. stated there are no underground tanks near the maintenance garage however there is a vent pipe coming out of the ground along side of this building, there are also ~~many~~ many portable flexible 4" hoses ~~located~~ located on the property.

Action Recommended _____

Constant surveillance would be in order.

John Madler
Signature

DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTION CONTROL MONITORING, SURVEILLANCE AND ENFORCEMENT

REPORT OF PHONE CALL
VISIT

In Out

File _____

Date: 10-15-76 Time _____

Routing _____

Person Contacted

Mr. Petric

Phone No. 471-3300

Affiliation

Passaic City, Assistant City Engineer

Subject of

Call

253 River Drive, Passaic, Grass Envir.

Visit

STORM SEWER SYSTEM

Summary of

Call

Visit

Tried to contact Mr. Robert Sander,

City Engineer about the storm sewer system
in the area of 253 River Drive, Passaic.

Mr. Sander was not in and Mr. Petric
his assistant requested that I talk to
Mr. Sander after he supplied limited information.

10-15-76

Contacted Mr. Sander, he is sending a diagram
of the sewer trunk line in area of Grass Environmental.
We have no report of a polluting discharge from
storm drains in this area.

Action Recommended

I will call Mr. Sander on

Oct 15 1976.

Bob Clark

Signature

DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTION CONTROL MONITORING, SURVEILLANCE AND ENFORCEMENT

COMPLAINT # 878

PHONE CALL
REPORT OF
VISIT

In _____ Out _____ File _____
Date 9-24-76 Time 4:20 Routing _____

Person Contacted ANONYMOUS
Mr. & Mrs. Dirk Nieuwendorp 201 773-6937 OFFICE
Affiliation Home across the Passaic River Phone No. 29-9715 Home

Subject of SCM. "SEWAGE DUMPING INTO
Call _____
Visit PASSAIC

Summary of SCM. (Sewage service)
Call _____
Visit _____
is dumping into the Passaic River
on a daily basis. The dumping
that was called in today occurred
approximately 3:00 PM. At the time
I talked with Mrs. Nieuwendorp there was no
dumping taking place.
9-25-76

Actual name and location of firm doing
the dumping is believed to be
GREGG ENVIRONMENTAL SERVICE CORP.
253 RIVER DRIVE
PASSAIC, N.J.

GREG HARRUSEVICH INVESTIGATED LOCATION ON 9-25-76
NO DUMPING, TRACE APPEARED TO BE CHASB.
Action Recommended Will investigate on Monday

[Signature]
Signature

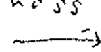
~~Morris Gammert~~

Johanna Vermeulen
to us
in Newark

Clark ~~John~~ Price -
Edison E.P.A.

Citizen

Witness



Dick Nieuw dorp

(201) 773-6937 - office
429-9715 home

witnessed S.C.A. truck dumping
sewage into a storm drain
where Rte 21 North
crosses Passaic River

ANNUAL REPORT

by

Chief Engineer

S. A. LUBETKIN

to the

PASSAIC VALLEY

SEWERAGE COMMISSIONERS

FOR OPERATIONS DURING

THE YEAR

1974

Forest Hill Apartments (continued)

Because of the open trench and the heavy rains, on Sunday, December 1, 1974, the water backed up and flooded the #7 boiler room and sump pumps were installed to pump the water to a catch basin, thence Second River, a tributary of the Passaic River. The inspector reported no visible signs of oil, but a sample was taken to the PVSC laboratory for analysis. Since there were both high turbidity and solids (mud from the ditch) it was classified as polluting. By December 13, the pipes were repaired and the ditches backfilled.

All the boiler rooms are below grade with sump pumps which would pump any material up to grade, thence the catch basin, thence the river. The only time oil would get into the river is during a flood if, at the same time, there was an oil leak. This will be kept under surveillance during 1975.

Violation and Elimination - Gaess Environmental Service Co.,
253 River Drive, Passaic

July 25, 1974

(R. Goldstein)

Mr. J. Kearney contacted the River Inspection Department about a greyish material in the Passaic River near Van Houten Avenue. Superintendent L. Cuccinello and Inspector R. Goldstein traced it to the Gaess Environmental Service Co., Passaic.

PVSC was informed that a payloader had accidentally knocked over a 50 gallon barrel of cutting oil, which then broke open and a small amount spilled over the bank into the river.

Violations & Eliminations - G.A.F. Corporation, 34 Market
Street, Paterson, N. J.

September 15, 1974

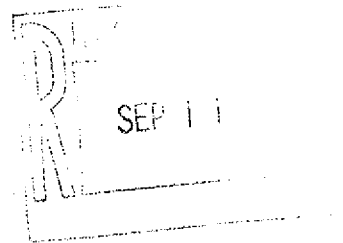
(L. Tateo)

On Sunday evening at about 8:00 P.M. a fire broke out at this G.A.F. Corp. factory. This plant manufactured color pigments. In fighting the blaze, it was necessary for firemen from 16 fire companies to pour a massive amount of water into the plant area. Unfortunately, the water, dyed various colors, went to street catch basins, thence to the river, causing a blue color in the Passaic River. The violation was eliminated by September 16, after the fire was under control.

* * * *



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
CN 027, TRENTON, N.J. 08625-0027



(609) 633-0898
Fax # (609) 984-5536

IMRE KARASZEGI JR
CITY ADMINISTRATOR
330 PASSAIC ST
PASSAIC, NJ 07055

September 9, 1991

SUSPECTED HAZARDOUS SUBSTANCE DISCHARGE NOTIFICATION
NJDEP CASE NUMBER: 91-9-6-1454-18

The New Jersey Department of Environmental Protection, Division of Environmental Quality, has received verbal notification of an incident that may have resulted in a discharge of a hazardous substance within your jurisdiction.

Pursuant to N.J.S.A. 13.1K-15 et seq., (P.L. 1984, c. 210) "Hazardous Substance Discharge - Reports and Notices Act" and N.J.A.C. 7:1-7 et seq., "Hazardous Substance Discharge: Reports and Notices", attached is a copy of our Incident Notification Form which contains details of the suspected discharge. Further information concerning this incident may be obtained by contacting:

Stanley Delikat, Program Mgr, NJ Dept of Environmental
Emergency Response Program
NJDEP-DEQ-Emergency Response Program
401 E State St, 2nd Flr, CN 027
Trenton, NJ 08625
609-633-2168

Please refer to the above referenced "NJDEP CASE NUMBER" in all correspondence concerning this incident.

CHARLES E. KRAUSS, CHIEF
BUREAU OF COMMUNICATIONS
AND SUPPORT SERVICES

Enclosure



New Jersey Department of Environmental Protection
COMMUNICATIONS CENTER NOTIFICATION REPORT

Received 9/06/91

TD Log# 13782

Operator JIMH

Reviewed By *JS*

Case # 91-9-6-1454-1B

Reported By TOM MACK Street Address	Notification Type Other Affiliation DEP/DHWM-N Municipality	Phone 201-299-7570 State NJ
-------------------------------------------	----------------------------------------------------------------------	--------------------------------------

Incident Location: Facility Site: GAESS ENVIROMENTAL SRV. Street Address 253 RIVER DR	Municipality PASSAIC	Phone County PASSAIC	State NJ
Location Type Industrial	Incident Date 8/06/91	Time	

Substance Released OIL FUEL Amount Released (): UNK ID Known State Liquid CAS# Additional Substances	Release Is Terminated
Substance Contained? <input type="checkbox"/> Y COMU Code 1607	Hazardous Material? <input type="checkbox"/> Y Referral Code 099
TCPA? N	A310 Letter? <input type="checkbox"/> Y

Incident Description L.U.S.T.			
Injuries? <input type="checkbox"/> N Police On Scene? <input type="checkbox"/> N	Public Evac? <input type="checkbox"/> N Firemen On Scene? <input type="checkbox"/> N	Facility Evac? <input type="checkbox"/> N DEP Requested? <input type="checkbox"/> N	Public Exposure? <input type="checkbox"/> N Wind Sp/Dir
Contamination Of Land Status at Scene	Receiving Water	FUEL OIL TANK POSSIBLE LEAKER UNKNOWN SIZE.	

Responsible Party Known Party GAESS ENVIROMENTAL S Contact	Phone Title
Street Address 253 RIVER DR	Municipality PASSAIC
County PASSAIC	State NJ

OFFICIALS NOTIFIED				
Name	Affiliation	Phone	Date	Time
NJSP DEM		609-882-2000	9/06/91	
MUNIC PASSAIC CITY	<i>SJSimkins</i>	201-365-3900	9/06/91	<i>1522</i>
OTHER				

	Name	Affiliation	Method	Date	Time	T/M
1		DEQ HQ1	MAIL	9/06/91		M
2						
3						

COMMENTS

ONE BOSTON PLACE
BOSTON, MASSACHUSETTS 02108

TELEPHONE (617) 720-0300

March 6, 1984

FEDERAL EXPRESS

Henry Gluckstern, Esq.
United States Environmental
Protection Agency
Waste and Toxic Substances Branch
Office of Regional Counsel
26 Federal Plaza
New York, New York 10278

Re: In re Scientific, Inc., et al.
Dkt. No. II - CERCLA - 30102

Dear Mr. Gluckstern:

This replies on behalf of Earthline Company ("Earthline"), SCA Services of Passaic, Inc. ("SCA Passaic") and SCA Services, Inc. ("SCA") to your letter, dated February 27, 1984, to counsel for these three respondents in the above-entitled proceeding.

Your February 27 letter references paragraph 32 of the E.P.A.'s order, which requires the respondents, jointly and severally, to take "actions which shall result in the cessation of the releases and threatened releases of aqueous materials to the environment from Pool C or the Pool C Area of the Facility no later than" April 3, 1984. We understand that in connection with its performance of the "scooping" operations at Pool C, respondent Kin-Buc, Inc. ("Kin-Buc") currently is discharging aqueous materials directly or indirectly into Edmonds Creek and/or the Raritan River. You request to be informed what steps each respondent intends to take to assure the cessation of such releases by April 3, 1984.

Earthline, SCA Passaic and SCA have advised Kin-Buc and affiliated respondents that, as owners and operators of the Kin-Buc Landfill Facility, they are primarily responsible for taking all steps necessary to abate the release or threatened release of contaminants or pollutants from their property -- including the discharge of aqueous leachate found by the E.P.A. to have migrated from the Kin-Buc Landfill to Pool C. Kin-Buc and its affiliates have refused to advise us of their intentions regarding cessation of aqueous discharges.

EXHIBIT B

LIT000007

TIERRA-D-000223

Absent a prompt commitment by the owners-operators to cease such discharges in accordance with the E.P.A. order, Earthline, SCA Passaic and SCA intend to apply to the United States District Court for New Jersey for an order preliminarily enjoining Kin-Buc et al., from discharging, in the course of their performance of the "scooping" operations at Pool C, aqueous materials into Edmonds Creek or the Raritan River. In the event that such relief is not secured, Earthline has been authorized by its Management Committee to take such steps as may be necessary to achieve timely compliance with paragraph 32 of the E.P.A. order and to seek reimbursement for the costs of its actions from Kin-Buc, Scientific, Inc., Filcrest, Inc., Wastequid, Inc., Inmar Associates, Inc., Marvin H. Mahan, and Robert J. Meagher.

Very truly yours,

David M. Jones

DMJ9/O

cc: Benjamin Weiner, Esq.
Edward J. Egan, Esq.

Passaic

DEPT. OF HUMAN RESOURCES
DIVISION OF HEALTH
PASSAIC, N.J. 07055

COMPLAINT
878

1976 AUG 18 AM 11:15

August 16, 1976

AUG 25 11:15

DEPT. Board of Health
& Secretary
City Hall
Passaic, N J 07055

609 292 5560
Water Pollution Control
John Fish Plaza
Trenton

Gentlemen:

VIOLATIONS @ GAESS ENVIRONMENTAL SERVICE
253 River Dr., Passaic, N J

As a concerned citizen, I feel it behooves me to inform both local and State authorities of flagrant and deliberate violations of State and Federal laws governing the pollution of local tidal waters.

Gaess Environmental Service has a concealed pit in the floor of their maintenance garage with underground piping which discharges into the Passaic River. Through this arrangement they empty their tank trucks which contain human waste and sludge chemicals into the Passaic River.

I, and other concerned parties, will be anxious to see what action is taken to correct this deliberate violation.

We were recently informed this was done occasionally in the past, but with the closing of landfill areas it is now being done on a regular basis.

Unless this condition is rectified with appropriate action in a reasonable amount of time, we will pursue this problem through the news media.

Very truly yours,

Anonymous
In fear of repercussions

cc: N. J. Environmental Protection Dept.
25 U.S. Route #22
Springfield, N J 07081

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER POLLUTION CONTROL

878

PHONE CALL
REPORT OF
VISIT

In _____ Out _____
Date Sept. 1 ⁷⁶ Time _____

File _____
Routing _____

Person Contacted Tony Gaess, Pres. Phone No. _____

Affiliation Hack Environmental Services Corp.

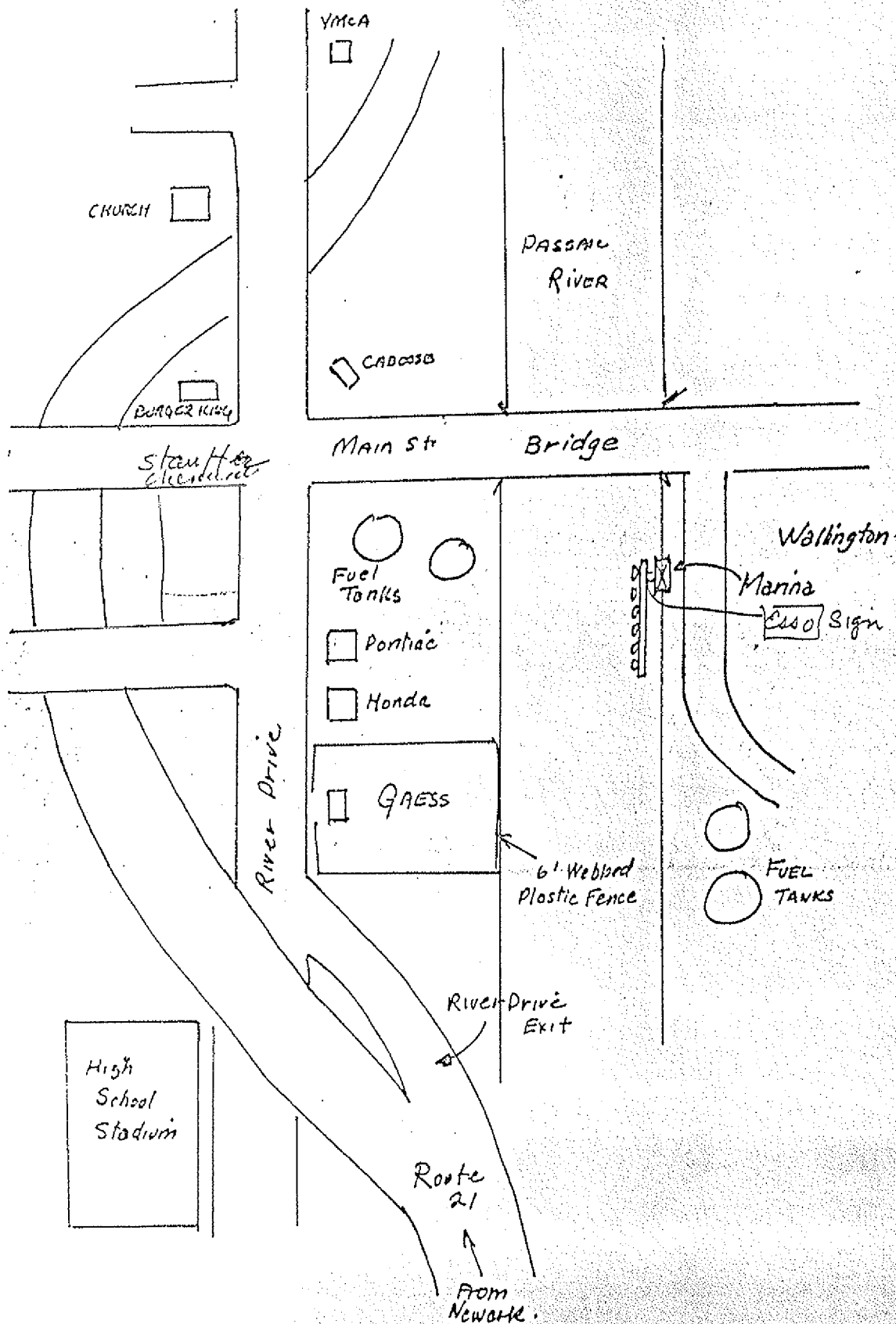
Subject of ^{Call} 253 River Str. Passaic N.J.
 Visit Discharge into river

Summary of ^{Call} In response to an anonymous complaint
 Visit

received, the above referenced corp. was visited by Mr. John Madler and Mr. Tony Altieri for the purpose of inspecting the property. Mr. Tony Gaess, the pres. of the corp. accompanied us and although nothing of any ~~consequence~~ consequence was found there were still suspicious feelings on our part. For example, the pres. stated there are no underground tanks near the maintenance garage however there is a vent pipe coming out of the ground along side of this building, there are also ~~many~~ many portable flexible 4" hoses ~~long~~ located on the property.

Action Recommended Constant surveillance would be in order.

John Madler
Signature



DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTION CONTROL MONITORING, SURVEILLANCE AND ENFORCEMENT

REPORT OF VISIT
PHONE CALL

In _____ Out _____

File _____

Date: 10-15-76 Time _____

Routing _____

Person Contacted

MR. PETRIC

Phone No. 471-3300

Affiliation

PASSAIC CITY, ASSISTANT CITY ENGINEER.

Subject of

Call

253 RIVER DRIVE, PASSAIC, GRASS ENVIA.

Visit

STORM SEWER SYSTEM

Summary of

Call

Tried to contact Mr. ROBERT SANDOR,

Visit

CITY ENGINEER about the storm sewer system in the area of 253 River Drive, Passaic. Mr. Sandor was not in and Mr. Petric's assistant requested that I talk to Mr. Sandor after he supplied limited information.

10-15-76

Contacted Mr. Sandor, he is sending a diagram of the sewer trunk line in area of Grass Environmental. He has no report of a polluting discharge from storm drains in this area.

Action Recommended

I will call Mr. Sandor on

Oct 15 1976.


Signature

DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTION CONTROL MONITORING, SURVEILLANCE AND ENFORCEMENT

COMPLAINT # 878

PHONE CALL
REPORT OF
VISIT

In _____ Out _____ File _____
Date 9-24-76 Time 4:20 Routing _____

Person Contacted ANONYMOUS
M. & MRS. DIK NIEWENDORF 201 773-6937 OFFICE
Affiliation Phone No 201 27-9715 HOME
TOWN across the Passaic River

Subject of Call S.C.M. "SCAVANGER DUMPING INTO
Visit PASSAIC

Summary of Call S.C.M. (Scavenger service)
Visit

is dumping into the Passaic River
on a daily basis. The dumping
that was called in today occurred
approximately 3:00 PM. At the time
I talked with Mrs Niewendorf there was no
dumping taking place.
9-25-76

Actual name and location of firm doing
the dumping is believed to be
GREG ENVIRONMENTAL SERVICE CORP.
253 RIVER DRIVE
PASSAIC, NJ

GREG HARRUSEVICH INVESTIGATED LOCATION ON 9-25-76
NO DUMPING, TRAIL APPEARED TO BE CLOSED.

Action Recommended Will investigate on Monday


Signature

~~Morris Gammeter~~

Johanna Vermeulen
to us
in Newark

Clark ~~John~~ Price -
Edison E.P.A.
Citizen

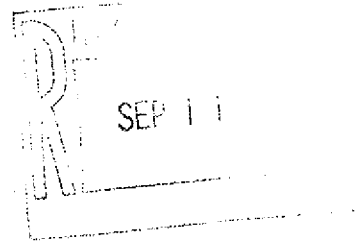
Witness
→ Dick Nieuw dorp
(201) 773-6937 - office
429-9715 - home

witnessed S.C.A. truck dumping
sewage into a storm drain
where Rte 21 North
crosses Passaic River



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
CN 027, TRENTON, N.J. 08625-0027



(609) 633-0898
Fax # (609) 984-5536

IMRE KARASZEGI JR
CITY ADMINISTRATOR
330 PASSAIC ST
PASSAIC, NJ 07055

September 9, 1991

SUSPECTED HAZARDOUS SUBSTANCE DISCHARGE NOTIFICATION
NJDEP CASE NUMBER: 91-9-6-1454-18

The New Jersey Department of Environmental Protection, Division of Environmental Quality, has received verbal notification of an incident that may have resulted in a discharge of a hazardous substance within your jurisdiction.

Pursuant to N.J.S.A. 13.1K-15 et seq., (P.L. 1984, c. 210) "Hazardous Substance Discharge - Reports and Notices Act" and N.J.A.C. 7:1-7 et seq., "Hazardous Substance Discharge: Reports and Notices", attached is a copy of our Incident Notification Form which contains details of the suspected discharge. Further information concerning this incident may be obtained by contacting:

Stanley Delikat, Program Mgr, NJ Dept of Environmental
Emergency Response Program
NJDEP-DEQ-Emergency Response Program
401 E State St, 2nd Flr, CN 027
Trenton, NJ 08625
609-633-2168

Please refer to the above referenced "NJDEP CASE NUMBER" in all correspondence concerning this incident.

CHARLES E. KRAUSS, CHIEF
BUREAU OF COMMUNICATIONS
AND SUPPORT SERVICES

Enclosure



COMMUNICATIONS CENTER NOTIFICATION REPORT

Received 9/06/91

TD Log# 13782

Operator JIMH

Reviewed By *JH*

Case# 91-9-6-1454-18

Reported By TOM MACK Street Address	Notification Type Other Affiliation DEP/DHWM-N Municipality	Phone 201-299-7570 State NJ
-------------------------------------------	----------------------------------------------------------------------	--------------------------------------

Incident Location: Facility Site: GAESS ENVIROMENTAL SRV. Street Address 253 RIVER DR	Municipality PASSAIC	Phone County PASSAIC	State NJ
Location Type Industrial	Incident Date 8/06/91	Time	

Substance Released OIL FUEL Amount Released (): UNK ID Known State Liquid CAS# Additional Substances	Release Is Terminated
Substance Contained? Y COMU Code 1607	Hazardous Material? Y Referral Code 099
TCPA? N	AS10 Letter? Y

Incident Description L.U.S.T.			
Injuries? N Police On Scene? N	Public Evac? N Firemen On Scene? N	Facility Evac? N DEP Requested? N	Public Exposure? N Wind Sp/Dir
Contamination Of Land Status at Scene	Receiving Water		
FUEL OIL TANK POSSIBLE LEAKER UNKNOWN SIZE.			

Responsible Party Known Party GAESS ENVIROMENTAL S Contact	Phone
Street Address 253 RIVER DR	Title County PASSAIC
Municipality PASSAIC	State NJ

OFFICIALS NOTIFIED				
Name	Affiliation	Phone	Date	Time
NJSP DEM		609-882-2000	9/06/91	
MUNIC PASSAIC CITY	<i>Sgt Simkins</i>	201-365-3900	9/06/91	<i>1522</i>
OTHER				

	Name	Affiliation	Method	Date	Time	T/M
1	DEQ	HQ1	MAIL	9/06/91		M
2						
3						

COMMENTS

910837



CASE TRANSFER REPORT

The following case is being considered for possible reassignment of lead. See Instructions on back. 91-08-19-0001N

ORIGINATING PROGRAM REPORT

1. Bureau/Division: RPSR / BSA Name of Person Reporting: Eileen Stewart Telephone: 584-4280

2. SITE INFORMATION
 A. Name of Site: Greens Environmental Service
 Operator: City Motor Sales Co., Inc. Owner: City Motors Sales Co., Inc.
 AKA(s): Tony Grass Service Corp. EPA ID #: NJD000309724
 Address: 253 River Drive Case ID # _____
 Municipality: Passaic Lot: 43 Block: 1209 County: Passaic
 Type of Business or Operation: Former waste transport facility SIC Code _____ Approx. Acreage: 1

B. Environmental Concerns (Check as many as apply, include number of units):
 Asbestos _____ Dumpster _____ Surface Spill _____ UST (Reg.) _____
 AGST _____ Floor Drain _____ Roof Drain _____ UST (Nonreg.) _____
 Bldg. Decont. _____ Lagoon _____ Tank Farm _____ Waste Pile _____
 Discharge _____ Seepage Pit _____ Transformer _____ Unknown _____
 Drum Storage _____ Septic System _____ MVA _____
 Monitoring Well(s) _____ Potable Well(s) _____ Other (specify) _____

If "B" is checked, complete and attach Form DEP-081A on contaminants or to detail other comments.

3. Case Level Determination: B (A-D) A. Provide Priority Score (if available) _____ Ranking System Used: _____
 B. Was an RP Search Done? NO (Yes/No) C. Project Activity Code Used _____

4. Other NJDEP Programs Involved in this Case are: _____

5. Were Local Officials notified? Yes No Date: _____ Organization: _____

ORIGINATING PROGRAM APPROVALS
Eileen Stewart 8/10/91 Opinto 8/10/91 _____
 Inspector/Date Section Chief/Date Bureau Chief/Date

SITE ASSESSMENT GROUP REVIEW

1. Case Received: (Date) 8/2/91 Project Activity Code: _____
 Assigned to: Eileen Stewart (Date) 8/6/91

2. Reviewer's Evaluation
 A. Case Level Determination: B (A-D) Public Private Transfer Sequence # 1
 Reason for Determination: Soil contamination & potential surface water & GW impacted

RECEIVING PROGRAM DESIGNATIONS

Per the Case Management Strategy, this case is being:

(1) Transferred to: RPSR / Bureau of Northern Enforcement as the Lead Program
 Contact: Don Stewart Telephone: 201-299-7570

(2) Referred to: Gary Pearson
 Bureau _____ Name _____ Action Required _____
 Bureau _____ Name _____ Action Required _____
 Bureau _____ Name _____ Action Required _____

SITE ASSESSMENT APPROVALS

Eileen Stewart 8/6/91 Opinto 8/18/91 Grayson 8/18/91
 Reviewer/Date Section Chief/Date Bureau Chief/Date

COPIES: White - Receiving Program Green - Originating Program Yellow - Tracking
Pink - Local Official Goldenrod - Bureau Chief, Site Assessment Group

Use of this Form:

Originating programs which desire to transfer a case that is no longer within their program's scope should use this form. To determine if a case requires transfer, refer to the Case Management Strategy, Remedial Process Component, available through the Bureau of Planning and Assessment or your program supervisor.

Refer to the Case Transfer SOP for transfer and handling procedures.

Instructions:

Press firmly with a ballpoint pen to ensure that all copies are legible.

- 2A. AKA(s) = "also known as": list alternate names of site if applicable.
ID #: this should be the EPA ID number Case number: list the program case number if applicable.
- 2B: Check all items that apply and specify number of units
For example = "AGST3"
 - AGST = above ground storage tank.
 - MVA = motor vehicle accident.
 - UST (reg.) = underground storage tanks regulated under N.J.A.C. 7:14B-1 et. seq.
 - UST (non reg.) = underground storage tanks not regulated by above citation
 - Bldg. Decont = building decontamination.

If any items are checked, complete and attach the Supplemental Case Transfer Report (HWM-OIOA).

3. Assign remedial level (A-D) given site conditions (for detailed remedial level description refer to the Remedial Process Component of the Case Management Strategy).

3B: To answer yes, the RP (responsible party) search must conform to the Bureau of Compliance and Technical Services S.O.P. and be documented in the case file.

4: List all other NJDER programs currently involved in the case, ie. NJPDES or RCRA permits, air permits, etc.

Originating Program Approvals: Signature of the inspector and the date is required. Section and bureau chiefs may initial signifying their approval for transfer. After the bureau chief has approved, the originating program sends the completed form to the Bureau of Planning and Assessment, Division of Hazardous Waste Management, 401 East State St, 5th floor. This should also be logged out by your program.



SUPPLEMENTAL CASE TRANSFER REPORT

KNOWN OR POTENTIAL SOURCES OF RELEASE

LOCATION OF CONCERN AND MEDIA AFFECTED	POLLUTANTS		ACTIONS TAKEN
<p><u>GROUND WATER</u> <i>In 1980</i> Numerous leaking drums noted at site pose a potential threat to groundwater. The nearest well used for drinking purposes is a domestic well located approx. .8 miles NE of site. (<i>only listed in 4 mile radius</i>)</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <hr/> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> No samples taken. Drums removed. <u>OUTCOME:</u> <u>NEXT STEP:</u></p>
<p><u>SURFACE WATER</u> This site is adjacent to the Passaic River. Runoff from this site ^{may} flow into this river.</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <hr/> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> <u>OUTCOME:</u> <u>NEXT STEP:</u></p>
<p><u>SOILS</u> Feb. 27, 1980 A NJDEP inspection of the abandoned facility noted numerous leaking drums on the site. A 1979 EPA report alleges the site contained "numerous leaking drums".</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <hr/> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> No samples taken. Drums removed. <u>OUTCOME:</u> <u>NEXT STEP:</u> Soil samples should be taken in the area where the drums were located.</p>
<p><u>AIR</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <hr/> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> <u>OUTCOME:</u> <u>NEXT STEP:</u></p>
<p><u>OTHER</u> <i>In 1994</i> An EPA Preliminary Assessment of site alleges that the facility treated large volumes of hazardous chemicals. Example include Carbon tetrachloride, trichloroethylene, zinc, copper, & Chromium. Other sources report a waste oil business operated on site.</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <hr/> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> <u>OUTCOME:</u> <u>NEXT STEP:</u></p>

INSTRUCTIONS:

Fill out this form following the example below:

LOCATION OF CONCERN AND MEDIA AFFECTED	POLLUTANTS		ACTIONS TAKEN
<p><u>GROUND WATER</u></p> <p>Leaking underground storage tanks at Northeast corner of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>Fuel Oil</p>	<p><u>CONCENTRATION</u></p> <p>200ppm</p>	<p><u>ACTIONS TAKEN:</u></p> <p>Tank removed by RP (9/88)</p> <p>Soils removed</p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u> Additional Ground-Water sampling needed</p>
		<p><u>ACTION LEVEL</u></p> <p>100ppm</p>	
<p><u>SURFACE WATER</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>SOILS</u></p> <p>Leaking underground storage tanks at Northeast corner of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>Fuel Oil</p>	<p><u>CONCENTRATION</u></p> <p>50 ppm</p>	<p><u>ACTIONS TAKEN:</u></p> <p>Tank removed/stained soils excavated</p> <p><u>OUTCOME:</u></p> <p>Residual soils below action level</p> <p><u>NEXT STEP:</u></p> <p>None for soils</p>
		<p><u>ACTION LEVEL</u></p> <p>100 ppm</p>	
<p><u>AIR</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>OTHER</u></p> <p>Monitoring wells at septic system in southwest area of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>benzene toluene</p>	<p><u>CONCENTRATION</u></p> <p>3ppb/gw 10ppb/gw</p>	<p><u>ACTIONS TAKEN:</u></p> <p>Wells installed under NJPDES program (10/87)</p> <p><u>OUTCOME:</u></p> <p>Ongoing monitoring</p> <p><u>NEXT STEP:</u></p> <p>Continue monitoring</p>
		<p><u>ACTION LEVEL</u></p>	

List source, location on property by media affected in the appropriate box. under the Pollutants heading list the contaminants or major category of contaminants (i.e. volatile organics) per the sampling findings in the left box and their concentration in the top box on the right. List the action level for the contaminant in the media affected. Describe actions taken AND INCLUDE THE ACTION DATE IN PARENTHESES in the column on the right as it pertains to the source identified. If no actions taken, please state same. If specific areas of concern are known, specify as well (ie: soils and groundwater require sampling). Any concerns involving potable wells or imminent health hazards should be documented on this form as well. If these exist write "IEC" in Red at the top of the form.



SUPPLEMENTAL CASE TRANSFER REPORT

KNOWN OR POTENTIAL SOURCES OF RELEASE

LOCATION OF CONCERN AND MEDIA AFFECTED	POLLUTANTS		ACTIONS TAKEN
<p><u>GROUNDWATER</u> A JAN. 1981 U.S. EPA Source + Monitoring Section inspection found 2 unused underground Storage tanks, on site waste included - one drum containing an unknown oil & 3 cardboard</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u> Unknown. verify USTs properly closed out.</p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>SURFACE WATER</u> drums holding an unknown crystalline material.</p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>SOILS</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>AIR</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>OTHER</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>

INSTRUCTIONS:

Fill out this form following the example below:

LOCATION OF CONCERN AND MEDIA AFFECTED	POLLUTANTS		ACTIONS TAKEN
<p><u>GROUND WATER</u></p> <p>Leaking underground storage tanks at Northeast corner of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>Fuel Oil</p>	<p><u>CONCENTRATION</u></p> <p>200ppm</p> <p><u>ACTION LEVEL</u></p> <p>100ppm</p>	<p><u>ACTIONS TAKEN:</u></p> <p>Tank removed by RP (9/88) Soils removed</p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u> Additional Ground-Water sampling needed</p>
<p><u>SURFACE WATER</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>SOILS</u></p> <p>Leaking underground storage tanks at Northeast corner of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>Fuel Oil</p>	<p><u>CONCENTRATION</u></p> <p>50 ppm</p> <p><u>ACTION LEVEL</u></p> <p>100 ppm</p>	<p><u>ACTIONS TAKEN:</u></p> <p>Tank removed/stained soils excavated</p> <p><u>OUTCOME:</u></p> <p>Residual soils below action level</p> <p><u>NEXT STEP:</u></p> <p>None for soils</p>
<p><u>AIR</u></p>	<p><u>SAMPLING FINDINGS</u></p>	<p><u>CONCENTRATION</u></p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p><u>OUTCOME:</u></p> <p><u>NEXT STEP:</u></p>
<p><u>OTHER</u></p> <p>Monitoring wells at septic system in southwest area of property</p>	<p><u>SAMPLING FINDINGS</u></p> <p>benzene toluene</p>	<p><u>CONCENTRATION</u></p> <p>3ppb/qw 10ppb/gw</p> <p><u>ACTION LEVEL</u></p>	<p><u>ACTIONS TAKEN:</u></p> <p>Wells installed under NJPDES program (10/87)</p> <p><u>OUTCOME:</u></p> <p>Ongoing monitoring</p> <p><u>NEXT STEP:</u></p> <p>Continue monitoring</p>

List source, location on property by media affected in the appropriate box. under the Pollutants heading list the contaminants or major category of contaminants (i.e. volatile organics) per the sampling findings in the left box and their concentration in the top box on the right. List the action level for the contaminant in the media affected. Describe actions taken AND INCLUDE THE ACTION DATE IN PARENTHESES in the column on the right as it pertains to the source identified. If no actions taken, please state same. If specific areas of concern are known, specify as well (ie: soils and groundwater require sampling). Any concerns involving potable wells or imminent health hazards should be documented on this form as well. If these exist write "IEC" in Red at the top of the form.

02-9103-07-SI
REV. NO. 0

FINAL DRAFT
SITE INSPECTION REPORT
GAESS ENVIRONMENTAL SERVICE
PASSAIC, NEW JERSEY

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-9103-07
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

JUNE 5, 1991

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY:



ANTHONY F. CULMONE, JR.
PROJECT MANAGER



THOMAS J. MULDER
SITE MANAGER

REVIEWED/APPROVED BY:



RONALD M. NAMAN
FIT OFFICE MANAGER

SITE SUMMARY AND RECOMMENDATIONS

The Gaess Environmental Service Site is a former waste transport facility located on property adjacent to the Passaic River in Passaic, New Jersey (Figs. 1 & 2). The property has served several users in the past 70 years: a concrete plant from pre-WWII to 1956/1957, a waste transport firm from approximately 1972 to 1979, and a car dealership from 1984 to present (Ref. Nos. 3, 4).

The site is located in a mixed industrial/residential area of Passaic. Properties bordering the site are Route 21 and River Drive on the west side, a car dealership and heating oil dealer on the north, the Passaic River on the east, and an abandoned lot to the south. The site is topographically flat, with an elevation approximately 5 feet above the adjacent river. The majority of the site lies within a 100-year flood zone (Ref. Nos. 9, 15).

NUS Corp. Region 2 FIT was unable to obtain substantive information regarding the former operations of Gaess Environmental Service. FIT was able to piece together a partial history of the site from U.S. Environmental Protection Agency (EPA) site inspection reports and City of Passaic Building Department files. Passaic Transit and Concrete Company occupied the site for more than 20 years, abandoning their operations in the late 1950s (Ref. Nos. 3 and 4). The property sat idle until the early 1970s when Tony Gaess Service Corporation obtained zoning and building permits to establish "storage and servicing facilities for tank barges engaged in the hauling and disposing of liquid waste; construction of aboveground storage tanks and for office facilities in connection there with" (Ref. Nos. 3 and 4). Historical recollections of City of Passaic Building Dept. and Fire Dept. employees suggest that Gaess used the site for servicing and storing tank trucks and operating a waste-oil reclamation business (Ref. No. 3). An April 1973 aerial photo of the site shows two small buildings present and 21 tanker trucks parked on site. The aerial photo shows no aboveground tanks or barge docking structures (Ref. No. 10).

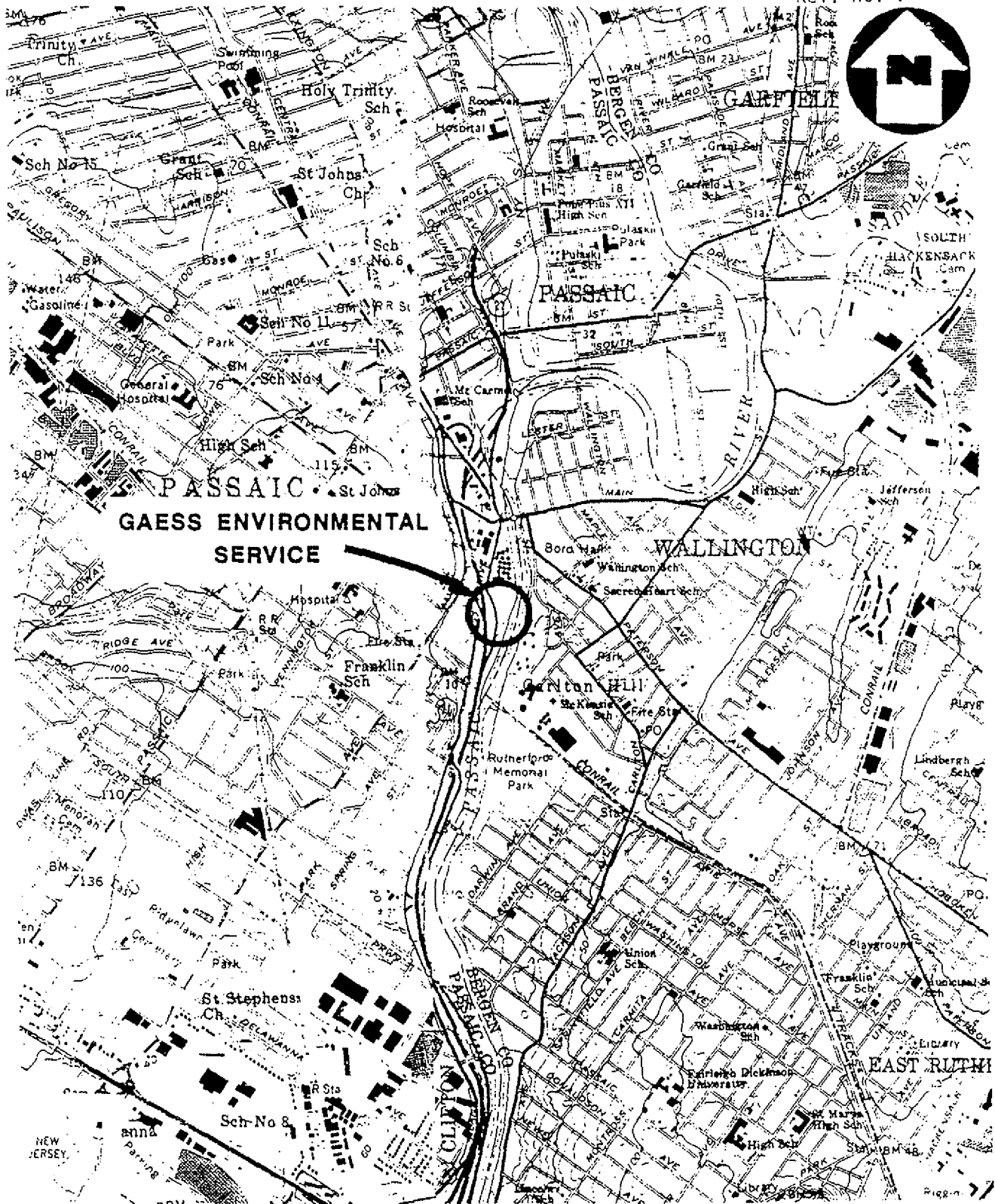
FIT obtained four EPA documents through file searches at regulatory agencies. The documents were written between 1979 and 1981 (Ref. Nos. 5-8). Several reports referred to New Jersey Department of Environmental Protection (NJDEP) inspections of the property. However, file searches at NJDEP offices failed to locate any material related to the site.

An EPA Preliminary Assessment (Ref. Nos. 5 and 6) of the site alleged that the facility treated large volumes of hazardous chemicals including carbon tetrachloride, trichloroethylene, zinc, copper, and chromium. The report stated that an incinerator was formerly on site. Reference was made to an

earlier NJDEP inspection of the abandoned facility that noted numerous leaking drums on the property. The U.S. EPA Source and Monitoring Section inspected the site in January 1981 (Ref. Nos. 7 and 8). Structures on site consisted of one empty building, a concrete slab, and two unused underground storage tanks. Waste on site consisted of one drum containing an unknown oil and three cardboard drums holding an unknown crystalline material.

NUS Corp. Region 2 FIT personnel conducted an on-site reconnaissance on April 2, 1991 (Ref. No. 9). During the visit Sandy Kalb of City Motors reported that the wood-frame structures formerly occupied by Gaess were demolished after City Motors purchased the property in the early 1980s. The foundations and pavement parking pad were left intact and are today used by City Motors for car parking. The only addition made to the property was construction of a new car showroom in the northwest corner of the property. FIT personnel noted no areas of concern on site. Additionally, no surficial evidence of underground storage tanks was observed.

A recommendation of **NO FURTHER REMEDIAL ACTION PLANNED** under CERCLA/SARA is given for the Gaess Environmental Service Site. This recommendation is based on a low potential for exposure of humans or sensitive environments to potentially contaminated media. FIT observed no visible wastes on site. Soil contamination may be present. However, the area of potential contamination is of limited size and potential contaminants are likely petroleum products which are excluded from consideration under CERCLA/SARA. Human exposure to potentially contaminated soil is unlikely, because the site is little used (mainly car parking for a dealership) and a fence prohibits unauthorized access to the site. Potential exposure via a groundwater route is unlikely, because only one potable supply well, serving less than 10 people, is located within 4 miles of the site. Potential surface water exposure is limited as the adjacent Passaic River is only minimally used for recreation.



(QUAD) WEEHAWKEN, N.J.-N.Y.

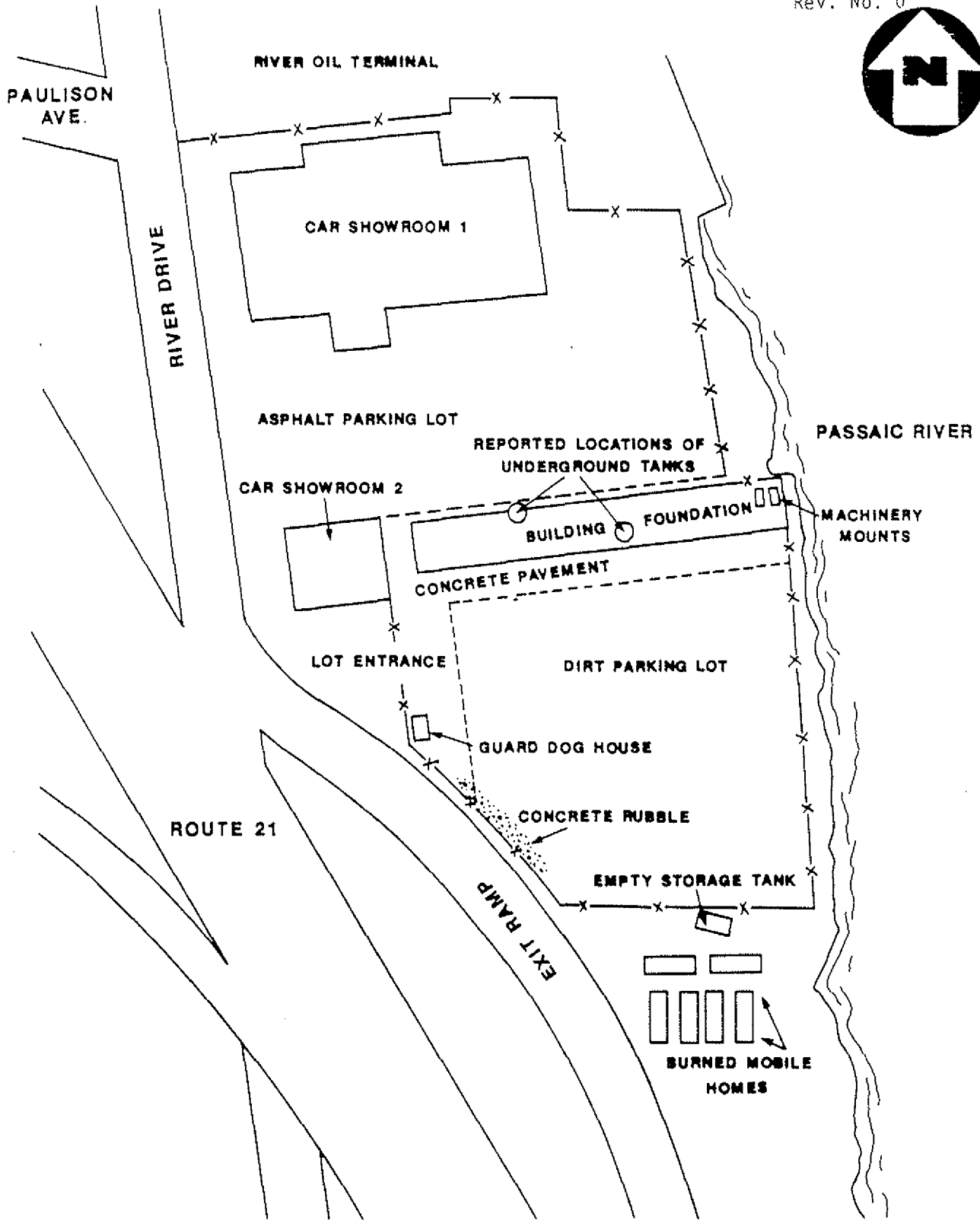
SITE LOCATION MAP

GAESS ENVIRONMENTAL SERVICE, PASSAIC, N.J.

SCALE: 1"=2000'

FIGURE 1





SITE MAP

GAESS ENVIRONMENTAL SERVICE, PASSAIC, N.J.

APPROX. SCALE: 1" = 100'

FIGURE 2



SITE ASSESSMENT REPORT: SITE INSPECTION

PART I: SITE INFORMATION

1. Site Name/Alias Gaess Environmental Service/Tony Gaess Service Corp.
Street 253 River Drive
City Passaic State New Jersey Zip 07055
2. County Passaic County Code 031 Cong. Dist. 8
3. EPA ID No. NJD000309724
4. Block No. 1209 Lot No. 43
5. Latitude 40° 51' 03" N Longitude 74° 07' 16" W
USGS Quad. Weehawken, New Jersey - New York
6. Owner City Motors Sales Co. Inc. Tel. No. (201) 777-1600
Street 225 River Drive
City Passaic State New Jersey Zip 07055
7. Operator City Motors Sales Co. Inc. Tel. No. (201) 777-1600
Street 225 River Drive
City Passaic State New Jersey Zip 07055
8. Type of Ownership
 Private Federal State
 County Municipal Unknown Other _____
9. Owner/Operator Notification on File
 RCRA 3001 Date _____ CERCLA 103c Date _____
 None Unknown
10. Permit Information
- | Permit | Permit No. | Date Issued | Expiration Date | Comments |
|----------------|------------|-------------|-----------------|----------|
| <u>Unknown</u> | _____ | _____ | _____ | _____ |
11. Site Status
 Active Inactive Unknown
12. Years of Operation 1972 to 1978

13. Identify the types of waste sources (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

(a) Waste Sources

Waste Unit No.	Waste Source Type	Facility Name for Unit
1	<u>Containers</u>	<u>Drums and Barrels</u>

(b) Other Areas of Concern

Identify any miscellaneous spills, dumping, etc. on site; describe the materials and identify their locations on site.

NUS Corp. Region 2 FIT personnel observed no areas of concern on site. No wastes or stained soils were noted. Buildings formerly used by Gaess Environmental Services were apparently demolished in the early 1980s leaving only concrete foundations present today. FIT personnel observed no evidence substantiating the presence of underground storage tanks. The property is currently used for car parking (Ref. No. 9).

Building and zoning permits filed in the early 1970s with the City of Passaic (Ref. No. 4) imply that Gaess Environmental Services had aboveground storage tanks and barge docking facilities. However, 1973 aerial photos (Ref. No. 10) and recollections of city employees (Ref. No. 3) suggest that the property was used only as a tanker-truck servicing facility. A city of Passaic Building Department inspector recalled that Tony Gaess Service Corporation handled waste oil (Ref. No. 3). File searches (Ref. Nos. 3 and 4) of regulatory agencies failed to locate useful historical information regarding the site. Because the site was home to an operation that handled some form of liquid material, there is a potential that soil contamination occurred due to spillage. If, as is suspected, the materials were petroleum products, they would be excluded from consideration under CERCLA/SARA.

14. Information available from

Contact Amy Brochu Agency U.S. EPA Tel. No. (201) 906-6802
Preparer Thomas J. Mulder Agency NUS Corp. Region 2 FIT Date June 5, 1991

PART II: WASTE SOURCE INFORMATION

For each of the waste units identified in Part I, complete the following items.

Waste Unit 1 - Drums and Barrels

Source Type

<input type="checkbox"/>	Landfill	<input type="checkbox"/>	Contaminated Soil
<input type="checkbox"/>	Surface Impoundment	<input type="checkbox"/>	Pile
<input checked="" type="checkbox"/>	Drums	<input type="checkbox"/>	Land Treatment
<input type="checkbox"/>	Tanks/Containers	<input checked="" type="checkbox"/>	Other

Description:

EPA reports obtained by FIT (Ref. Nos. 5-8) contain references to past site inspections by NJDEP and EPA. On February 27, 1980, NJDEP noted "several leaking containers" (Ref. No. 6). A 1979 EPA report reported allegations that the site contained "numerous leaking drums" (Ref. No. 5). On January 5, 1981 the EPA inspected the site and noted the presence of one drum of oily material and three cardboard barrels of crystalline material. One small office building was present on site at that time (Ref. Nos. 7, 8). No wastes or containers were observed on site when FIT inspected the site.

Hazardous Waste Quantity

Past reports stated that unsound containers numbered several (Ref. No. 6), were numerous (Ref. No. 5), and consisted of one drum and three cardboard barrels (Ref. Nos. 7, 8). FIT observed no wastes or containers on site.

Hazardous Substances/Physical State

Potential hazardous substances are unknown. The site was once reported to handle carbontetrachloride, trichloroethylene, and metals such as zinc, copper, and chromium (Ref. No. 6). Other sources report that the site was home to a waste oil business (Ref. No. 3).

PART III: SAMPLING RESULTS

EXISTING ANALYTICAL DATA

Based on file searches performed during the course of this study, it is believed that no environmental sampling was previously conducted on the site property.

SITE INSPECTION RESULTS

No sampling was conducted by NUS Region 2 FIT.

PART IV: HAZARD ASSESSMENT

GROUNDWATER ROUTE

1. Describe the likelihood of a release of contaminant(s) to the groundwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence.

Based on the available waste source information, there is little likelihood of a release. The identity of potential contaminants are unknown. No aboveground waste sources are currently on site.

Ref. Nos. 3-10

2. Describe the aquifer of concern; include information such as depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.

The site area is underlain by Triassic age bedrock of the Newark Group that is in turn overlain by unconsolidated Pleistocene glacial strata. Regionally, the Newark Group represents the aquifer of concern. Local industrial and potable supply wells are developed within the Brunswick Shale of the Newark Group. Newark Group and Pleistocene strata are in hydraulic continuity on a regional scale; through on a small scale, they may be discontinuous due to the presence of locally extant impermeable layers.

Subsurface geology in the vicinity of the site is poorly known due to a lack of local well data. Glacial strata is believed to be largely till (permeability 10^{-4} to 10^{-10} cm/sec) but probably includes isolated lenses of clay, sand, or gravel. Unsorted gravel, sand, and silt are exposed at the ground surface on site. The thickness of unconsolidated strata beneath the site is estimated to be 75 feet. Based on the sites elevation and proximity to the Passaic River, the water table is estimated to lie at a depth of 5 feet. Groundwater flow is believed to follow topography and flow east toward the Passaic River. The water table may fluctuate locally, as the adjacent river undergoes tidal fluctuations.

Ref. Nos. 9, 11, 12

3. Is a designated well head protection area within 4 miles of the site?

Well head protection areas have not been promulgated in the State of New Jersey.

Ref. No. 25

4. What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?

Waste disposal/storage areas are unknown. Potential former disposal/storage areas are the ground surface (e.g. tanker truck parking) or alleged underground storage tanks. The local water table is estimated to be 5 feet below the parking lot surface. Consequently, potential disposal/storage areas are all located within 5 feet of the unconsolidated Pleistocene aquifer.

Ref. Nos. 9, 11

5. What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the aquifer of concern?

The least permeable continuous intervening stratum between the ground surface and the aquifer of concern (Brunswick Shale) is glacial till. The till has an estimated permeability of 10^{-4} to 10^{-10} cm/sec.

Ref. Nos. 9, 11, 12

6. What is the net precipitation for the area?

The net precipitation (annual precipitation minus evaporation) is estimated to be 24 inches.

Ref. No. 13

7. What is the distance to and depth of the nearest well that is currently used for drinking purposes?

The nearest well currently used for drinking purposes is a domestic well located on Kossuth Street, Wallington, approximately 0.8 miles northeast from the site. The well is believed to serve one family.

Ref. No. 14

8. If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be located within the contamination boundary of the release.

No release to groundwater has been observed. No release to groundwater is suspected.

Ref. Nos. 5-9

9. Identify the population served by wells located within 4 miles of the site that draw from the aquifer of concern.

<u>Distance</u>	<u>Population</u>
0 - $\frac{1}{4}$ mi	0
$>\frac{1}{4}$ - $\frac{1}{2}$ mi	0
$>\frac{1}{2}$ - 1 mi	4 (Estimated pop. served by 1 domestic well)
>1 - 2 mi	0
>2 - 3 mi	0
>3 - 4 mi	0

Ref. No. 14

10. Identify uses of groundwater within 4 miles of the site (i.e. private drinking source, municipal source, commercial, irrigation, unuseable).

Wells within 4 miles of the site are used for commercial, industrial, and drinking source purposes.

Ref. No. 14

SURFACE WATER ROUTE

11. Describe the likelihood of a release of contaminant(s) to surface water as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence.

Based on the available waste source information, there is little likelihood of a release to surface water. Because the past property use is relatively unknown, FIT cannot conclude that surface water releases did not occur in the former operations of Gaess Environmental Service. Because no aboveground waste sources are currently on site, there is little potential for future releases to surface water. Suspected contaminants are unknown.

Ref. Nos. 3-10

12. Identify the nearest downslope surface water. If possible, include a description of possible surface drainage patterns from the site.

The nearest downslope surface water is the Passaic River. The Passaic River constitutes the eastern border of the site. The site lies 14 miles upstream from the mouth of the River in Newark Bay. All surface runoff drains to the adjacent river. Approximately one-half of the site is covered with building foundations and old cracked pavement. The remainder of the site is covered by permeable gravel/sand/silt.

Ref. Nos. 9, 22

13. What is the distance to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.

All points on the site property lie within 400 feet of the Passaic River.

Ref. No. 9

14. Determine the floodplain that the site is located within.

Approximately 80 percent of the site lies within a 100-year flood zone. The remaining 20 percent lie within a 100 to 500 year flood zone. The Gaess facilities were located in the 100-year flood zone.

Ref. No. 15

15. What is the 2-year 24-hour rainfall?

The rainfall amount for 24-hour storms having a 2-year recurrence interval is estimated to be 3.3 inches.

Ref. No. 16

16. Identify drinking water intakes in surface waters within 15 miles downstream of the site. For each intake identify: the distance from the point of surface water entry, population served, and stream flow at the intake location.

No surface water intakes are located on surface waters within 15 miles downstream from the site.

Ref. No. 14

17. Identify fisheries that exist within 15 miles downstream of the point of surface water entry. For each fishery specify the following information:

The State of New Jersey currently advises against consuming fish and shellfish from waters associated with the Newark Bay Complex (Arthur Kill, the Passaic and Hackensack Rivers, and Newark Bay). Despite the advisory, recreational fishing may occur in waters downstream from the site.

Ref. No. 17

18. Identify sensitive environments that exist within 15 miles of the point of surface water entry. For each sensitive environment specify the following:

Coastal tidal waters located within 15 miles downstream of the site contain wetlands and habitats known to be used by both a Federally designated endangered species and State designated threatened species.

<u>Environment</u>	<u>Water Body Type</u>	<u>Protection Status</u>
Least tern (Sterna antillarum) nesting area	Wetlands of Newark Bay	New Jersey State endangered species
Peregrine falcon (Falco peregrinus) habitat		Federally listed endangered species
Wetlands	Newark Bay and associated waters	None

Ref. Nos. 18, 19, 20, 22

19. If a release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from question Nos. 16-18 that are or may be located within the contamination boundary of the release.

No release to surface water has been either observed or suspected.

Ref. No. 5-9

SOIL EXPOSURE PATHWAY

20. Determine the number of people that occupy residences or attend school or day care on or within 200 feet of the site property.

No residences, schools or day cares are located on or within 200 feet of the site property.

Ref. No. 9

21. Determine the number of people that work on or within 200 feet of the site property.

Based on the nature of surrounding properties (a car dealership, a heating oil terminal, and Route 21), it is estimated that approximately 50 people work on or within 200 feet of the site property.

Ref. No. 9

22. Identify terrestrial sensitive environments on or within 200 feet of the site property.

No specific sensitive terrestrial environments are located on or within 200 feet of the site property.

Ref. Nos. 9, 18, 19, 20, 22

AIR ROUTE

23. Describe the likelihood of release of contaminants to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release define the supporting analytical evidence.

No release to air has been observed and no significant release to air is suspected. File searches at EPA and NJDEP offices uncovered no evidence of or reference to past air releases. NUS Corp. Region 2 FIT personnel did not observe readings above background during on-site reconnaissance activities on February 26, 1991 using both photoionization (HNU) and flame ionization (OVA) air monitoring instruments.

Ref. Nos. 5-9

24. Determine populations that reside within 4 miles of the site.

<u>Distance</u>	<u>Population</u>
0 - ¼ mi	390
>¼ - ½ mi	7,040
>½ - 1 mi	33,570
>1 - 2 mi	92,660
>2 - 3 mi	108,310
>3 - 4 mi	115,190

Ref. No. 21

25. Identify sensitive environments and wetlands acreage within ½ mile of the site.

No specific sensitive environments or wetlands acreage are located within 0.5 mile of the site.

Ref. Nos. 9, 18, 19, 20, 22

26. If a release to air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination from the release.

No release to air has been observed and no release to air is suspected.

Ref. Nos. 5-9

27. If a release to air is observed or suspected, identify any sensitive environments, listed in question No. 25, that are or may be located within the area of air contamination from the release.

No release to air has been observed and no release is suspected.

Ref. Nos. 5-9

POSSIBLE HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

This form is one of a set of forms for identifying and assessing potential hazardous waste sites. It is to be used for sites where there is a suspicion that hazardous waste may be present. This form is based on available records and may be updated on subsequent forms as a result of additional information.

GENERAL INSTRUCTIONS: Complete Sections I and II through X as completely as possible before Section III (Field Inspection). Fill this form in the Region of Hazardous Waste Field and submit a copy to: U.S. Environmental Protection Agency, Site Tracking System, Hazardous Waste Response Unit, Box 100, 121 M St., S.W., Washington, DC 20460.

I. SITE IDENTIFICATION

A. NAME: SCA - EARHLINE D. STATE: NY E. ZIP CODE: 11541 F. COUNTY NAME: Queens

G. TYPE OF SITE (In across): SCA - EARHLINE H. TELEPHONE NUMBER: _____

I. TYPE OF OWNERSHIP: 1. FEDERAL 2. STATE 3. COUNTY 4. MUNICIPAL 5. PRIVATE 6. UNKNOWN

J. SITE DESCRIPTION: Facility stores & treats large volume of chemical wastes.

K. HOW IDENTIFIED (Name, citizen's complaints, OSHA citations, etc.): ECKHARDT REPORT L. DATE IDENTIFIED (mo., day, & yr.): 10/79

M. PRINCIPAL STATE CONTACT: 1. NAME: THOMAS BRADY 2. TELEPHONE NUMBER: (609) 292-9120

II. PRELIMINARY ASSESSMENT (complete this section first)

A. APPARENT SERIOUSNESS OF PROBLEM: 1. HIGH 2. MEDIUM 3. LOW 4. NONE 5. UNKNOWN

B. RECOMMENDATION: 1. NO ACTION NEEDED (no hazard) 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR: 11/79 b. WILL BE PERFORMED BY: _____
 3. SITE INSPECTION NEEDED (low priority) c. WILL BE PERFORMED BY: EPA

C. PREPARER INFORMATION: 1. NAME: JOHN R. JIMENEZ 2. TELEPHONE NUMBER: (312) 264-1573 3. DATE (mo., day, & yr.): 7/17/80

III. SITE INFORMATION

A. SITE STATUS: 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 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (In across): 2-3 D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES: 1. LATITUDE (deg.-min.-sec.): _____ 2. LONGITUDE (deg.-min.-sec.): _____

E. ARE THERE BUILDINGS ON THE SITE? 1. NO 2. YES (specify): Treatment Plant

*Carbon tetrachloride, Hexane, Copper, Chromium.
 Trichloroethylene,*

1. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (check "X")	C. ALLEGED INCIDENT (check "X")	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUNDWATER	X			
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR	X			
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

1. APPLICABLE PERMITS HELD AT THE SITE:

- 1. HPODS PERMIT
- 2. SPOC PLAN
- 3. STATE PERMIT (specify): None
- 4. AIR PERMITS
- 5. LOCAL PERMIT
- 6. RCRA TRANSPORTER
- 7. RCRA STORER
- 8. RCRA TREATER
- 9. RCRA DISPOSER

10. OTHER (specify):

11. IN COMPLIANCE?
- 1. YES
 - 2. NO
 - 3. UNKNOWN

VIII. PAST REGULATORY ACTIONS

- A. NONE
- B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- A. NONE
- B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
<i>Visual Inspection</i>	<i>2/27/80</i>	<i>State</i>	

X. REMEDIAL ACTIVITY (past or on-going)

- A. NONE
- B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

August 19, 1980

Hazardous Waste Site Preliminary Assessments

John Frisco, Hazardous Waste Site
Investigation Program

John Frisco, Chief
Hazardous Waste Site Investigation Program

Preliminary assessments have been performed on the following
sites. Site inspections are required as noted.

Gaess Environmental Services
253 River Drive
Passaic, N.J.

This facility owned by SCA stores and treats large volumes
of chemicals. The Eckhardt Report lists the facility as
handling carbontetrachloride, trichloroethylene and several
heavy metals such as zinc, copper, and chromium. An
inspection carried out by DEP on 2/27/80, revealed several
leaking containers which pose a threat to both surface and
groundwater.

The DEP contact for the site is Thomas Brady. He can be
reached at 8-477-9120.

DEP rated the apparent seriousness of the problem at this
site as high. However, there is not enough information in
their report to support such a rating. EPA should inspect
the facility on a medium to high priority basis. EPA's
report should recommend what further action EPA should
consider regarding this site.

Neshanic Station (Three Bridges drum dump)
Hockeberry A Three Bridges Road
Hickory, N.J.

The site consists of a large ravine into which
a number of drums of chemicals were dumped.
Water samples taken by the Department of Health contained
750,000 PPB of toluene, 750,000 PPB of carbon tetrachloride,
10,250 PPB of MP, xylene and numerous other organics and
metals. DEP geologists believe that because the area is one
of groundwater discharge it poses only a surface water problem
not a groundwater problem. As a precaution sampling of nearby
private wells has been recommended by DEP. No site inspection
forms have been submitted by DEP. The site appears to be one
of medium priority for a site inspection.

2SA-HWI:J.Jimenez:ljj:8/19/80

2SA-HWI



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

CN 028
Trenton, N.J. 08625-0028
(609) 633-1408
Fax # (609) 633-1454

IN THE MATTERS OF THE

MARVIN JONAS TRANSFER STATION
DEPTFORD TOWNSHIP
GLOUCESTER COUNTY, NEW JERSEY;

FLORENCE LAND RECONTOURING LANDFILL
FLORENCE AND MANSFIELD TOWNSHIPS
BURLINGTON COUNTY, NEW JERSEY;

MULTI-SITE
DIRECTIVE AND NOTICE TO INSURERS
NUMBER ONE

HELEN KRAMER LANDFILL
MANTUA TOWNSHIP
GLOUCESTER COUNTY, NEW JERSEY;

P.J.P. LANDFILL
JERSEY CITY
HUDSON COUNTY, NEW JERSEY;

AND

A & B DUMP TRUCK SERVICE, INC.,
formerly A & B DRUM COMPANY, INC.;
A.B.M. DISPOSAL SERVICE;
AAXON INDUSTRIAL, INC.;
ACTIVE OIL SERVICE;
ADELPHI PRODUCTS CORP.;
AIR PRODUCTS AND CHEMICALS, INC.;
ALBANIL DYE & CHEMICAL INC.;
ALGLAS CORP.;
ALLIED KID CO.;
ALLIED TUBE & CONDUIT CORP.;
ALMO ANTI-POLLUTION SERVICES CORP.;
ALMO TANK CLEANING AND MAINTENANCE CO.;
AMERICAN POLLUTION CONTROL;
AMADEI, ANTHONY, individually;
AMERICAN BAG & PAPER CO.;
AMERICAN BUILTRITE INC.;
AMERICAN CLAM CO., INC.;
AMERICAN COOPERAGE CO.;
AMERICAN CYANAMID CO.;
AMERICAN INKS AND COATINGS CORP.;



AMERICAN NATIONAL CAN CORP.;
AMMCO ASSOC.;
ANGUS TANK CLEANING CORP.;
ARMAK CO.;
ARMSTRONG CORK;
ARSYNCO, INC.;
ART METALS USA INC.;
ASHLAND OIL, INC.;
ASPHALT SALES, INC.;
JOHN J. ATKIN, individually;
ATLANTIC DISPOSAL;
ATLAS SALVAGE;
ATOCHEM, INC.;

B & F CORP.;
B & W COATINGS;
BP AMERICA, INC.;
BASF CORP.;
BEAZER MATERIALS AND SERVICES, INC./KOPPERS;
BECHTEL GROUP, INC.;
BECHTEL POWER CORP.;
BECK ENGRAVING CO., INC.;
BELL HARBOR, INC.;
BENTLEY HARRIS MFG. CO.;
A.C. BERWICK TRANSPORTERS, INC.;
BESSEMER PROCESSING CO., INC.;
BETZ LABORATORIES, INC.;
BEVERY ASSOCIATES;
BIO-NOMIC RESOURCES INC;
BLACKWOOD CARBON PRODUCTS;
BOSTON EDISON CO.;
BOWEN-MCLAUGHLIN, - YORK CO.;
BRISTOL MYERS-SQUIBB;
BROOKSIDE METALS;
BROWNING FERRIS INDUSTRIES;
M.A. BRUDER AND SONS, INC.;

CBS, INC.;
CPS CHEMICAL CO.;
CAMPBELL CHAIN;
CAPPOLA, PAUL, individually;
CAR-O-MATIC CAR WASH.;
CELANESE CORP.;
CENTRAL JERSEY DISPOSAL SERVICE CO.;
CENTRAL STEEL DRUM CO.;
CERRO WIRE & CABLE CO.;
CERTAINTEED CORP.;
CHEMED INC.;
CHEMETRON CORP.;
CHEMEX, INC.;
CHEMICAL & SOLVENT DISTILLERS, INC.;
CHEMICAL CONTROL CORP.;
CHEMICAL LEAMAN CORP.;
CHEMICAL LEAMAN TANK LINES, INC.;
CHEMICAL WASTE DISPOSAL, INC.;

CHEMLINE CORP.;
CHEMQUID DISPOSAL, INC.;
CHESTER PACKING CO., INC.;
CHICAGO BRIDGE & IRON;
CHUB'S CESSPOOL SERVICE;
CICALESE, FRANK, individually;
CLAIROL, INC.;
CLASSIC CHEMICAL;
CLAYTON & SONS;
COAST PRO-SEAL, INC.;
COASTAL SERVICES, INC.;
COLE STEEL CO.;
COLONY CONTAINER;
COMBUSTION EQUIPMENT;
COMETALS OF PENNSYLVANIA;
COMFORT HOMES;
CONCORD CHEMICAL CO., INC.;
CONSOLIDATED CORK CO.;
CONTAINER CORP. OF AMERICA;
CONTINENTAL CAN CO., INC.;
CONTINENTAL WIRE AND CABLE CO.;
COPY GRAPHICS;
CORCO, INC.;
CROMPTON & KNOWLES;
CROSS, ALTON W., individually;
CROWN CORK AND SEAL CO., INC.;
CURLEY CO., INC.;

D & J TRUCKING & WASTE CO., INC.;
DAIRY PAK;
DAUBERT INDUSTRIES, INC.;
DELBAR PRODUCTS;
DENNY CORP.;
DENNY PAPER CO.;
DEREWAL CHEMICAL CO., INC.;
DESANDRO, INC.;
DESOTO INC.;
DEVOE REALITY CO.;
DIAMOND HEAD OIL CORP.;
DIVERSIFIED MARKETING GROUP;
JOHN C. DOLPH, CO.;
DAMON DOUGLAS, CO.;
DOW INDUSTRIAL SERVICES;
DREW CHEMICAL CO.;
DUANE MARINE CORP.;
DUKE REFINERY;
E.I. DUPONT DE NEMOURS & CO., INC.;

ESB CORP.;
EAST COAST POLLUTION CONTROL, INC.;
EAST COAST SALVAGE;
EASTERN AUTO PARTS, INC.;
EASTERN INDUSTRIAL CORP.;
EASTERN WASTE REMOVAL;
ECHO, INC.;

EKCO PRODUCTS, INC.;
ELLIS COOPERAGE;
H.G. ENDERLEIN CO.;
ENGEL, HENRY, individually;
ENGINEERING SERVICES;
ENTERPRISE CONTAINER CORP.;
ERIE TRADING CO.;
ESSEX CHEMICAL CORP.;
EXIDE INC.;
EXXON RESEARCH AND ENGINEERING CO.;

FLS, INC.;
FEDERAL ALLOYS CORP.;
FERGUSSON, ALEX, individually;
FERNWOOD POLYCHROME;
FINE ORGANICS, INC.;
FIRESTONE ADHESIVES CO.;
FLINTKOTE CO.;
FLORENCE LAND DEVELOPMENT CO.;
FLORENCE LAND DEVELOPMENT, INC.;
FLORENCE LAND RECONTOURING, INC.;
FOGLIA BROTHERS, INC.;
FOOD HAULERS;
FORD INDUSTRIAL SERVICES INC.;
FORD MOTOR CORP.;
FRANK, EVELYN B., individually;
H.B. FULLER CO.;

GAF CORP.;
GAESS, ANTHONY D., individually;
GALAXY CHEMICALS, INC.;
GARDEN STATE TRADING CO.;
GARLOCK BEARINGS, INC.;
GENERAL COOPERAGE CO.;
GENERAL ELECTRIC CO.;
GENERAL MARINE TRANSPORT CORP.;
GENERAL METALCRAFT, INC.;
GILBERT-SPRUANCE CO., INC.;
GIMBELS BROTHERS, INC.;
GOLD COOPERAGE, INC.;
GOLDBERG, HAROLD, individually;
GOULD INC.;
W.R. GRACE & CO. - CONNECTICUT;
GRAPHIC CONTROL;
A. GROSS AND CO.;
GROW CHEMICAL COATINGS CORP.;

HACHIK BLEACH CO.;
HARIEN CHEMICAL;
HARSHAW CHEMICAL CO.;
HARTZ MOUNTAIN INDUSTRIES, INC.;
HATCO CHEMICAL CO.;
E.H. HAUSERMANN CO.;
HAUTO METALLURGICAL CORP.;
HAVEN CHEMICAL CO.;

FRED HEINZELMAN AND SONS, INC.;
HENKELS & MCCOY, INC.;
HERCULES INCORPORATED;
HOECHST CELANESE CORP.;
HOFFMAN-LA ROCHE, INC.;
HOOKER CHEMICALS AND PLASTICS CORP.;
HOWMET ALUMINUM CORP.;
HUGHES BROS. CO.;
HULBERT OIL CO.;
HUSSMAN REFRIGERATOR CO.;
HYATT BEARINGS;
HYGRADE FOOD PRODUCTS CORP.;

ICI AMERICAS, INC.;
IMPORTIOS DISPOSAL;
INDUSTRIAL PROCESSING SYSTEMS;
INDUSTRIAL REFUSE REMOVAL SERVICE;
INDUSTRIAL SURPLUS CHEMICALS, INC.;
INLAND CHEMICAL CO. INC.;
INLAND PUMPING AND DREDGING CORP.;
IVERS-LEE;

J & J LEASING;
J.I.S. CO.;
JACKSON, DANIEL, individually;
JAY-TAR CO.;
JERSEY ENVIRONMENTAL MANAGEMENT SERVICES, INC.;
JONAS STEEL DRUM;
JONAS WASTE REMOVAL;
MARVIN JONAS, INC.;
JONAS, MARVIN, individually;
JOYCE INTERNATIONAL, INC.;

KTK CORP.;
KAISER ALUMINUM AND CHEMICAL SALES, INC.;
KASKIW, ANDREW, individually;
KELLY, DONALD, individually;
KEL-RON STEEL AND FIBRE DRUM CO., INC.;
KEWANEE INDUSTRIES, INC.;
KEYSTONE MILLWORK CO.;
KEYSTONE REPRIVE;
JACOB KLINE CORP.;
K-METAL FABRICATORS INC.;
KOHL-MADDEN PRINTING INK CORP.;
KOTZEN, JEROME, individually;
KRAFT OIL;
KRAJACK TANK LINES, INC.;
KRAMER, HELEN, individually;
KUDRA, GEORGE, individually;

LANSDOWNE STEEL & IRON;
LEDERLE LABORATORIES;
LEEFSON, JACK, individually;
LEHIGH PRESS LITHOGRAPHERS;
LIBERTY SMELTING;

LIGHTMAN DRUM CO., INC.;
LINWOOD CONTAINER CORP.;
LUBRICATION ENGINEERS INC.;

M.P.C. IND.;
MAGIC MARKER CORP.;
MAGID CO.;
MAGNETIC METAL CO.;
MANNINGTON MILLS, INC.;
MANOR CARE, INC.;
MARBETH TRUCKING CORP.;
MARISOL, INC.;
MARITEC INTERNATIONAL, INC.;
MARMAC INDUSTRIES, INC.;
MATERIAL RESOURCES;
MATLACK, INC.;
MAYCO OIL & CHEMICAL CO, INC.;
MCCORQUODALE PROCESS, INC.;
MECHANICS UNIFORM;
A.C. MENGLES PAINT INDUSTRIES, INC.;
METEM CORP.;
MICHAELS INDUSTRIAL DISPOSAL CORP.;
MID ATLANTIC REFINERY SERVICES, INC.;
MID-STATE TRADING CO.;
MITCHELL WASTE REMOVAL CO.;
MOBIL OIL CORP.;
MOBIL RESEARCH AND DEVELOPMENT CORP.;
MOBILE DREDGING AND PUMPING CO;
MOBILE HYDRO;
MODERN INDUSTRIAL WASTE SERVICE;
MODERN TRANSPORTATION CO.;
MOHAWK LABS OF NEW JERSEY;
MONROE CHEMICAL;
MONSANTO CO.;
MOORE PRODUCTS CO.;
MORTON INTERNATIONAL, INC.;
MOSCATELLO, SALVATORE, individually;
MOSCATELLO, WILLIAM, individually;
MOSCATO, PHILLIP, individually;
MRS. PAUL'S KITCHENS;
MULLEN, GEORGE, individually;

NL INDUSTRIES, INC.;
RJR NABISCO, INC.;
NATIONAL CAN CO.;
NATIONAL ROLLING MILLS CO.;
NATIONAL STEEL DRUM CO.;
NATIONAL VACUUM;
NATIONAL VULCANIZED FIBER CO.;
NEASE CHEMICAL CO., INC.;
NESHAMINY STEEL FABRICATORS;
NEW YORK TWIST DRILL CORP.;
NICOLET INDUSTRIES, INC.;

OCCIDENTAL PETROLEUM CORP.;
O'DONNELL, BOB, individually;
O.H. MATERIALS;
OIL RECOVERY;
OLIVETTI CORP. OF AMERICA;
ORB INDUSTRIES INC.;
ORBIS PRODUCTS CORP.;
OXY METAL INDUSTRIES;

P.J.P. LANDFILL CO.;
P.J.P. LANDFILL, INC.;
PMC, INC.;
PAISLEY PRODUCTS, INC.;
PAKWELL PAPER CO.;
PALUZZI BROS., INC.;
PANTASIO WRECKING CO.;
PARAGON PAINT & OIL CO.;
PARKER CO.;
PENN WALT CO.;
PERMALASTIC PRODUCTS;
PETCO METALS;
PFISTER CHEMICAL CO.;
PFIZER, INC.;
PHILADELPHIA NEWSPAPERS, INC.;
PHILADELPHIA STEEL WIRE;
PINTO SERVICE, INC.;
PINTO, GLORIA, individually;
PINTO, JOSEPH, individually;
PIONEER SALT & CHEMICAL CO.;
PITTCO-PRICKETTS INDUSTRIAL TANK CLEANING CO.;
PLAYTEX INTERNATIONAL;
POLY PRINTING;
POLY SCIENCES INC.;
POLYMER INDUSTRIES, INC.;
H.K. PORTER CO., INC.;
J.L. PRESCOTT CO.;
PRESSCO SUPPLY CO.;
PRODUCTS RESEARCH;
PROGRESSIVE LIGHTING CO.;
PUBLIC SERVICE ELECTRIC AND GAS CO., INC.;
PUREX CORP.;
PYRAMID CHEMICAL IMPORTS;

R.K.D.;
RCA CORP.;
RAMBLER ENTERPRISES;
REAGENTS CHEMICAL CO.;
REICHOLD CHEMICALS, INC.;
REICHOLD POLYMERS, INC.;
RENTAR INDUSTRIES REALTY CORP.;
RESIDEX CORP.;
REVERE CHEMICAL CORP.;
REXART CHEMICAL CO.;
RICHARDSON GRAPHICS;
RICHARDSON INK;

RICHARDSON PAINTS;
ROHM AND HAAS CO.;
ROLLINS ENVIRONMENTAL SERVICES, INC.;
ROMAN CATHOLIC ARCHDIOCESE OF NEWARK;
ROOT INDUSTRIES, INCORPORATED;
ROSE RIBBON AND CARBON MANUFACTURING CO.;
ROYAL TANK CLEANING CO.;
RUDY'S CESSPOOL SERVICE;

S-J TRANSPORTATION CO.;
S. & J. LEASING CO.;
S & W WASTE, INC.;
S.C.G.;
SCM CORP;
SCA SERVICES, INC.;
SANDOZ CHEMICALS, CORP.;
SANDOZ PHARMACEUTICALS, INC.;
SARTOMER RESINS;
F & S SCERBO CO., a/k/a J. SCERBO CO.;
SCERBO, FRANK, individually;
SCERBO, SAM, individually;
SCHIAVO BROTHERS, INC.;
SCIENTIFIC CHEMICAL CORP., INC.;
SCIENTIFIC CHEMICAL PROCESSING, INC.;
SCIENTIFIC CHEMICAL TREATMENT;
SCOTT PAPER CO.;
SELAS CORP OF AMERICA;
SEQUA CORP.;
SEVER, ERNEST N., individually;
SHELL OIL CO.;
THE SHERWIN-WILLIAMS CO., INC.;
SIEGEL, EDWIN, individually;
SLEVIN ENTERPRISES;
SOLVENTS RECOVERY SERVICE OF NEW ENGLAND, INC.;
SOLVENTS RECOVERY SERVICE OF NEW JERSEY, INC.;
SOMERSET TAR;
SOUTHCO INC.;
STALEY CHEMICAL CO.;
STANDARD BRANDS;
STATE STEEL DRUM & BARREL;
STATE-WIDE ENVIRONMENTAL CORP.;
STAUFFER CHEMICAL CO.;
STEELMENT INC.;
STEPAN CHEMICAL CO.;
JACOB STERN & SON;
W.N. STEVENSON, CO.;
J. SUKONICK CO.;
SUKONIK BARREL AND DRUM CO., INC.,
a/d/b/a STATE STEEL DRUM AND BARREL;
SULLIVAN INDUSTRIES;
SUMCO, INC.;
SUPERPAC INC.;
SWOPE OIL & CHEMICAL CO;
SYLVANIA CORP.;

TALON ADHESIVES CORP.;
TANATEX CHEMICAL CO.;
A. TARRICONE, INC.;
TECHNICTROL, INC.;
TEMPLE IRON;
TENNECO POLYMERS, INC.;
THEATER MAGIC, INC.;
THIOKOL CHEMICAL CORP.;
S.B. THOMAS, INC.;
TOOLEY'S TRUCK STOP, INC.;
TOTAL DISPOSAL;
TRASH REMOVERS, INC.;
TRENTON FIBRE DRUM CO.;
TRIANGLE PUBLICATIONS, INC.;
TYCO INDUSTRIES, INC.;
TYNDALE CO.;

UOP INC.;
UNION AMSCO;
UNION BAG-CAMP PAPER CORP.;
UNION STEEL CORP.;
UNISYS CORP.;
UNITED AERO PRODUCTS;
U.S. GYPSUM CO.;
U.S. STEEL;
UNITED STEEL BARREL CO.,
a/k/a U.S. BARREL;
UNIVERSAL CONTAINER CO.;

VERGONA & SONS;
VERGANO CORP.;
VERSATILE PRODUCTS CO.;
VICK'S MANUFACTURING CO.;
VULCAN MATERIALS CO.;

WASTCO INC.;
WESTERN ELECTRIC CO., INC.;
WESTINGHOUSE ELECTRIC CORP.;
WHEATON INDUSTRIES;
WHEATON PLASTIC - COTE CO.;
WHITFORD CO.;
WILLING, B. WIRE CO.;
WILMINGTON CHEMICAL CO.;
WORTHINGTON BIOCHEMICAL CORP.;
WYETH LABORATORIES, INC.;

X-CEL CORP.;

AND

ZEIGLER REFUSE CO.;

RESPONDENTS

AND

AETNA CASUALTY AND SURETY CO. ;
AETNA COMMERCIAL INSURANCE CO. ;
AETNA INSURANCE CO. ;
ALLSTATE INSURANCE CO. ;
AMERICAN CASUALTY INSURANCE CO. ;
AMERICAN INSURANCE CO. ;
AMERICAN MUTUAL LIABILITY INSURANCE CO. ;
AMERICAN POLICYHOLDERS INSURANCE CO. ;
ATLANTIC EMPLOYERS INSURANCE CO. ;

BANKERS & SHIPPERS INSURANCE CO. ;
BELLAFONTE REINSURANCE CO. ;
BELLAFONTE UNDERWRITERS INSURANCE CO. ;

CNA INSURANCE CO. ;
CALIFORNIA UNION INSURANCE CO. ;
CANADIAN UNIVERSAL INSURANCE CO. ;
CARRIERS INSURANCE CO. ;
CENTAUR INSURANCE CO. ;
CENTENNIAL INSURANCE CO. ;
COLONIAL PENN INSURANCE CO. ;
COLUMBIA CASUALTY INSURANCE CO. ;
COMPANIES COMBINED POLICY INSURANCE CO. ;
CONTINENTAL INSURANCE COMPANIES ;

ELECTRIC MUTUAL LIABILITY INSURANCE CO. ;
EMPLOYERS COMMERCIAL LUNION INSURANCE CO. ;

FARMERS' RELIANCE INSURANCE COMPANIES ;
FEDERAL INSURANCE CO. ;
FIREMAN'S FUND INSURANCE CO. ;
FIRST STATE INSURANCE CO. ;

GENERAL ACCIDENT FIRE & LIFE ASSURANCE CORP., LTD. ;
GLENS FALLS INSURANCE CO. ;
GREAT ATLANTIC INSURANCE CO. ;
GREAT SOUTHWEST INSURANCE CO. ;
GREATER NEW YORK MUTUAL INSURANCE CO. ;

HARTFORD ACCIDENT & INDEMNITY CO. ;
HARTFORD INSURANCE CO. ;
HOME INSURANCE CO. ;

INSURANCE COMPANY OF NORTH AMERICA ;
INTERSTATE FIRE & CASUALTY CO. ;
INVESTORS INSURANCE CO. ;

LEXINGTON INSURANCE CO. ;
LIBERTY MUTUAL INSURANCE CO. ;
LLOYDS AND BRITISH INSURANCE CO. ;
LLOYDS OF LONDON ;

MARYLAND CASUALTY CO. ;
MERCHANTS INSURANCE GROUP ;

MOUNT VERNON FIRE INSURANCE CO. ;
MUTUAL FIRE, MARINE AND INLAND INSURANCE CO. ;

NATIONAL FIRE INSURANCE CO. ;
NATIONAL UNION FIRE INSURANCE CO. ;
NORTH STAR REINSURANCE CO. ;
NORTHEASTERN INSURANCE CO. ;
NORTHERN INSURANCE COMPANY OF NEW YORK ;

PROTECTIVE INSURANCE CO. ;

RELIANCE INSURANCE CO. ;

ST. PAUL INSURANCE CO. ;
SERVICE FIRE INSURANCE COMPANY OF NEW YORK ;
SUN INSURANCE CO. ;

TOKYO MARINE INSURANCE CO. ;
TRANSAMERICA INSURANCE CO. ;
TRANSPORTATION INSURANCE CO. ;
TRAVELERS INSURANCE CO. ;

U.S. FIRE INSURANCE CO. ;
U.S. LIABILITY INSURANCE CO. ;
UNIVERSAL INSURANCE CO. ;
UNIVERSAL UNDERWRITERS INSURANCE CO. ;
UTICA MUTUAL INSURANCE CO. ;

WASSAU INSURANCE CO. ;
WESTERN WORLD INSURANCE CO.

INSURERS

I. MULTI-SITE DIRECTIVE

1. This Directive is issued to the above-captioned Multi-Site Respondents pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "the Department") by N.J.S.A. 13:1D-1 et seq., and the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq. ("the Act"), and duly delegated to the Assistant Director for Responsible Party Cleanup of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4. This Directive is issued in order to notify the above-captioned Multi-Site Respondents that the Department, pursuant to the provisions of the Act, has determined that it is necessary to remove or arrange for the removal of certain hazardous substances, and in order to notify the Multi-Site Respondents that the Department believes them to be responsible for discharges of hazardous substances at the Marvin Jonas Transfer Station, Florence Land Recontouring Landfill, Helen Kramer Landfill, and/or P.J.P. Landfill.

A. MARVIN JONAS

2. Marvin Jonas, individually and through his various companies, Jonas Steel Drum, Marvin Jonas, Inc. and Jonas Waste Removal (hereafter referred to collectively as "Jonas" or "Marvin Jonas"), operated a transfer station in Sewell, New Jersey at which he transferred waste to bulk from drums and commingled the waste prior to disposal. During the late 1960's and early 1970's Jonas disposed of hazardous substances for several hundred generators at various locations, including Florence Land Recontouring Landfill, Kramer's Landfill and P.J.P. Landfill.

3. Due to the failure of both Jonas or his generators to keep accurate records of all disposal activities it is impossible to determine with specificity the precise quantity of waste that was disposed from each generator at each specific disposal facility within the class of sites that Jonas was using. It is possible however, to determine the class of sites that Jonas was using to dispose of each of these generator's waste, by referral to reports filed by Jonas in 1972 and 1973 since those reports indicate which sites are in the class and which sites are not. Thus, in this Directive the identity of the Jonas generators, for each disposal site used in the 1971 through 1973 period, is based upon an identification of the total class of Jonas generators, removing those generators that were located in communities, waste from which the 1972 and 1973 reports indicate did not go to that particular disposal site.

4. Until the calendar year 1974, it appears that neither Jonas nor his generators filed reports with any governmental agency indicating which generator's waste was disposed at which specific site. For a limited class of Jonas generators, the 1974 report indicates specific disposal sites for each generator, but not the precise quantities of waste disposed at each disposal site.

5. In 1975, Jonas filed an operational statement with the Department indicating, among other things, the disposal sites for the waste removed from a percentage of his customers. From 1976 to approximately 1982 Jonas maintained records on most of his customers, providing specific information on the waste streams obtained from the customer and the disposal sites used for those wastes.

B. MULTI-SITE DIRECTIVE

6. The Department is issuing this Multi-Site Directive to (1) all of the identifiable Jonas customers for the Marvin Jonas transfer station, (2) those companies which were customers of Jonas during the 1971-1975 time period, whose waste was removed by Jonas, commingled and then disposed at Kramers or P.J.P. Landfills, (3) other parties that are connected by other means to the sites addressed by this Directive. It should be noted that a separate Directive has been issued in the matter of the Gloucester Environmental Management Services, Inc. (GEMS) Landfill, located in Gloucester Township, Camden County, New Jersey. The GEMS Directive identifies Jonas customers in addition to others, whose hazardous substances were disposed of at the GEMS Landfill at the same time that Jonas was also disposing these same generators' hazardous substances at several of the sites set forth herein. Thus, in allocating responsibility for the sites set forth herein, the parties are advised to also take into account the contemporaneous use of GEMS Landfill by Jonas.

7. Directives have previously been issued in the matters of P.J.P. Landfill, Kramers Landfill and Florence Land Recontouring Landfill. This Multi-Site Directive is being issued for those matters and for an additional site for the purpose of adding additional parties to those parties already issued Directives and nothing contained in this Multi-Site Directive shall be construed to relieve prior Directive recipients from fulfilling their obligations under those prior Directives or prevent the Department from seeking to recover treble damages for failure to comply with those Directives.

C. MULTI-SITE RESPONDENTS

8. The following companies, corporations and individuals produced various products, provided various services and generated various wastes including hazardous substances and/or were involved in the transportation and disposal of various wastes, including hazardous substances or are successors to the above described entities.

Company/Individual	Location
A & B Dump Truck Service, Inc.	Sewell, Cherry Hill, Woodbury, NJ
A.B.M. Disposal Service	Lester, PA
American Pollution Control	Bayonne, NJ
Aaxon Industrial, Inc.	Islin, NJ
Active Oil Service	Newark, NJ, Carlstadt, NJ
Adelphi Products Corp.	Carlstadt, NJ
Air Products and Chemicals, Inc.	Allentown, PA, Middlesex, NJ
Albanil Dye & Chemical, Inc.	Address Unknown
Algias Corp.	Egg Harbor, NJ
Allied Kid Co.	Wilmington, DE
Allied Tube & Conduit	Address Unknown
Almo Anti-Pollution Services Corp.	Silver Spring, MD
Almo Tank Cleaning and Maintenance Co.	Clayton, NJ
American Bag & Paper Co.	Philadelphia, PA
American Bultrite	Trenton, NJ

American Clam Co., Inc.	Leesburg, NJ
American Cooperage Co.	Baltimore, MD
American Cyanamid Co.	Wayne, NJ, Bound Brook, NJ, Havre de Grace, MD
American Inks and Coatings Corp., formerly American Lacquer Solvents Co.	Valley Forge, PA,
American National Can Corp., formerly American Can Co.	Bridgeton, NJ, Valley Forge, PA
American Waste Removal	Chicago, IL, Philadelphia, PA
Ammco Assoc.	Voorhees, NJ
Anaconda Wire & Cable Co.	New York, NY
Angus Tank Cleaning Corp.	Hastings on the Hudson, NY
Armak Co.	Bayonne, NJ
Armstrong Cork	Rutherford, NJ
Arsynco, Inc.	Philadelphia, PA
Art Metals USA Inc.	Carlstadt, NJ
Ashland Oil, Inc.	Newark, NJ
Asphalt Sales, Inc.	Ashland, KY, Fords, NJ
Atlantic Disposal	Camden, NJ, Pennsauken, NJ
Atlas Salvage	Address Unknown
Atochem, Inc., successor to Polyrez, Inc.	Address Unknown
B & F Corp.	Pennsauken NJ, Woodbury, NJ
B & W Coatings	Philadelphia, PA
BP America, Inc., successor to B.P. Oil Inc.	Pennsauken, NJ
BASF Corp.	Cleveland, OH, Marcus Hook, PA
Beazer Materials and Services, Inc./Koppers	Parsippany, NJ
Bechtel Group, Inc.	Pittsburgh, PA.
Bechtel Power Corp.	San Francisco, CA
Beck Engraving Co., Inc.	West Haverstraw, NY
Bentley Harris Mfg. Co.	Philadelphia, PA
A.C. Berwick Transporters, Inc.	Conshohochan, PA
Bessemer Processing Co., Inc.	Keasbey, NJ
Betz Laboratories, Inc.	Newark, NJ
Beverly Associates	Trevese, PA
Bio-Nomic Resources Inc.	Address Unknown
Blackwood Carbon Products	Brick, NJ
Boston Edison Co.	Laurel Springs, NJ
Bowen-McLaughlin - York Co.	Boston, MA
Bristol Myers-Squibb, corporate successor to E.R. Squibb & Sons, Inc.	York, PA
Brookside Metals	Princeton, NJ
Browning Ferris Industries, successor to Globe Disposal Co., Inc.	Address Unknown
M.A. Bruder & Sons, Inc.	Collingswood, NJ
CBS, Inc.	Broomall, PA
CPS Chemical Co.	New York, NY
Campbell Chain	Old Bridge, NJ
Car-O-Matic Car Wash	Address Unknown
Celanese Corp.	Vineland, NJ
Central Jersey Disposal Service Co.	Address Unknown
Central Steel Drum Co.	Somerset, NJ, Bound Brook, NJ
Cerro Wire & Cable Co.	Newark, NJ
	Mapeth, NY

Certainteed Corp.	Valley Forge, PA, Berlin, NJ
Chemed, Inc.	Edison, NJ, Roselle Park, NJ
Chemex Inc.	Elizabeth, Roselle Park, NJ
Chemical & Solvent Distillers, Inc.	Address Unknown
Chemical Control Corp.	Elizabeth, NJ
Chemical Leaman Corp.	Exton, PA, Croydon, PA
Chemical Leaman Tank Lines, Inc.	Exton, PA
Chemical Waste Disposal Corp.	Medford, NJ, Astoria, NY
Chemquid Disposal, Inc.	Upper Saddle River, NJ
Chemetron Corp.	Hanover, PA
Chester Packing Co., Inc.	Chester, NJ
Chicago Bridge & Iron	New Castle, DE
Chub's Cesspool Service	National Park, NJ
Cicalese, Frank	Colonia, NJ
Clairol Inc.	New York, NY
Classic Chemical	Address Unknown
Clayton & Sons	Chatsworth, PA
Coast Pro-Seal	Phoenixville, PA
Coastal Services Inc.	Paulsboro, NJ, Elizabeth, NJ
Cole Steel Co.	York, PA
Colony Container	Address Unknown
Combustion Equipment	Address Unknown
CoMetals of Pennsylvania	Philadelphia, PA
Comfort Homes	Trenton, NJ
Concord Chemical Co.,	Haddonfield, NJ, Camden, NJ
Consolidated Cork Co.	Piscataway, NJ
Container Corp. of America	Wilmington, MD
	New Brunswick, NJ
Continental Can Co., Inc.	Pennsauken, NJ, Paoli, PA
Continental Wire and Cable Co.,	Hastings on the Hudson, NY
successor to Anaconda Wire and Cable Co.,	
Copy Graphics	Audubon, NJ
Corco, Inc.	Blackwood, NJ
Crompton & Knowles	Gibraltar, PA
Crown Cork and Seal Co., Inc.	Trenton, NJ, Philadelphia, PA,
	Baltimore, MD
Curley Co., Inc.	Newark, NJ, Camden, NJ
D & J Trucking & Waste Co., Inc.	Cranford, NJ
Dairy Pak	Morristown, NJ
Daubert Industries, Inc.	Westchester, IL, Oakbrook, IL
Delbar Products	Perkasie, PA
Denny Corp.	Philadelphia, PA
DeRwal Chemical Co., Inc.	Revere, PA
DeSandro, Inc.	Blackwood, NJ
Desoto, Inc.	Pennsauken, Delair, NJ,
	Des Plaines, IL,
Devoe Reality Co.	Paterson, NJ
Diamond Head Oil Corp.	Linwood, NJ, Kearny, NJ
Diversified Marketing Group	Bellmawr, NJ
John C. Dolph Co.	Monmouth, NJ
Damon Douglas Co.	Springfield, NJ
Dow Industrial Services	Stoneham, MA

Drew Chemical Co.	Kearny, Boonton, NJ, Columbus, OH, Philadelphia, PA Staten Island, NY High Point, NC
Duane Marine Corp. Duke Refinery	
E.I. Dupont De Nemours & Co., Inc. ESB Inc. East Coast Pollution Control, Inc. East Coast Salvage Eastern Auto Parts Co., Inc. Eastern Industrial Corp. Eastern Waste Removal Echo, Inc. Ekco Products, Inc. Ellis Cooperage Enderlein, H.G. Co. Engel, Henry Engineering Services Enterprise Container Corp. Erie Trading Co. Essex Chemical Corp. Exide Inc. Exxon Research and Engineering Co.	Wilmington, DE, Parlin, NJ, Philadelphia, PA Clayton, NJ Camden, NJ Blackwood, NJ, Clayton, NJ Philadelphia, PA Westmont, NJ Trenton, NJ Wheeling, IL, Clayton, NJ Morrestown, NJ Philadelphia, PA, Grenloch, NJ Upper Saddle River, NJ Wenona, NJ Berlin, NJ, Gloucester, NJ Philadelphia, PA Clifton, NJ Philadelphia, PA Florham Park, NJ
FLS Inc. Federal Alloys Corp. Fergusson, Alex Fernwood Polychrome Fine Organics, Inc. Firestone Adhesives Co. Flintkote Co. Foglia Brothers, Inc. Food Haulers Ford Industrial Services Inc. Ford Motor Corp. Frank, Evelyn B. Friedman, Theresa & Sons H.B. Fuller Co.	Address Unknown Address Unknown Address Unknown Address Unknown Sayreville, NJ Trenton, NJ East Rutherford Newark, NJ Elizabeth, NJ Address Unknown Mahwah, NJ New York, NY Philadelphia, PA Edison, NJ
GAF Corp. Gaess, Anthony D. Gaess Environmental Services Inc. Galaxy Chemicals, Inc. Garden State Trading Co. Garlock Bearings, Inc. General Cooperage Co. General Electric Co. General Marine Transport Corp. General Metalcraft, Inc. General Printing Ink Gilbert-Spruance Co., Inc. Gimbels Brothers, Inc. Gold Cooperage, Inc.	Wayne, NJ Montvale, NJ Passiac, NJ Elkton, MD Sayreville, NJ Thorofare, NJ Philadelphia, PA Philadelphia, PA Bayonne, NJ Dover, DE, Smyrna, DE East Rutherford, NJ Philadelphia, PA Philadelphia, PA Louisville, KY Newark, NJ

Goldberg, Harold
Gould Inc.
W.R. Grace & Co. - Connecticut,
Dewey Almy Chemical Division
Graphic Control
A. Gross and Co.
Grow Chemical Coatings

Hachik Bleach Co.
Harlen Chemical
Harshaw Chemical Co.
Hartz Mountain Industries, Inc.
Hatco Chemical Co.
E.H. Hausermann Co.
Hauto Metallurgical Corp.
Haven Chemical Co.
Fred Heinzelman and Sons, Inc.
Henkels & McCoy, Inc.
Hercules Incorporated
Hoffman-La Roche, Inc.
Hooker Chemicals and Plastics Corp.
Howmet Aluminum Corp.
Hughes Bros. Co.
Hulbert Oil Co.
Hussman Refrigerator Co.
Hyatt Bearings
Hygrade Food Products Corp.

ICI Americas, Inc.
Importios Disposal
Industrial Processing Systems
Industrial Refuse Removal Service
Industrial Surplus Chemicals, Inc.
Inland Chemical Co., Inc.
Inland Pumping & Dredging Corp.

Ivers-Lee

J & J Leasing
J.I.S. Co.
Jackson, Daniel F.
Jay-Tar Co.
Jonas Steel Drum
Jonas Waste Removal
Jonas, Marvin
Marvin Jonas, Inc.
Joyce International, Inc., successor to
Cole Steel Co.

KTK Corp. a/d/b/a/KTC Steel Drum
Kaiser Aluminum and Chemical Sales, Inc.
Kaskiw, Andrew
Kelly, Donald

Philadelphia, PA
Philadelphia, PA
Woodbury, NJ

Cranbury, NJ
Newark, NJ
Pennsauken, NJ

Philadelphia, PA
Philadelphia, PA
Gloucester, NJ
Secaucus, NJ
Fords, NJ
Address Unknown
Wenonah, NJ
Philadelphia, PA
Carlstadt, NJ
Burlington, NJ
Wilmington, DE
Nutley, NJ
Burlington, NJ, Houston, TX
Lancaster, PA
Forked River, NJ
Philadelphia, PA
Cherry Hill, NJ
Clark, NJ
Philadelphia, PA

Wilmington, DE
Piscataway, NJ
Wayne, PA
Port Reading, NJ
Edison, NJ
Newark, NJ
Asbury Park, NJ,
Downingtown, PA
Franklin Lakes, NJ,
W. Caldwell, NJ

Clifton, NJ
Jamesburg, NJ
Milltown, NJ
Newark, NJ, Springfield, NJ
Sewell, NJ
Sewell, NJ
Sewell, NJ
Sewell, NJ
York, PA

Edison, NJ
Edison, NJ
Scotch Plains, NJ
Huntington Valley, PA

Kel-Ron Steel & Fibre Drum Co., Inc., successor to A & B Drum Co., Inc., Kewanee Industries, Inc., successor to United States Printing Ink Co. Keystone Millwork Co. Keystone Reprive Jacob Kline Corp. K-Metal Fabricators Inc. Kohl-Madden Printing Ink Corp. Kraft Oil Krajack Tank Lines, Inc.	Camden, NJ San Francisco, CA, East Rutherford, NJ Pennsauken, NJ Address Unknown Allentown, PA Philadelphia, PA Nashville, TN Address Unknown Roselle Park, NJ
Lansdowne Steel & Iron Lederle Laboratories Leefson, Jack Lehigh Press Lithographers Liberty Smelting	Morton, PA Pearl River, NY Fernwood, PA Pennsauken, NJ Cornwell Heights, Philadelphia, PA Berlin, NJ Linwood, PA Fort Worth, TX
Lightman Drum Co., Inc. Linwood Container Corp. Lubrication Eng. Inc.	
M.P.C. Industries Magic Marker Corp. Magid Co. Magnetic Metal Co. Mannington Mills, Inc. Manor Care, Inc. Marbeth Trucking Corp. Marisol, Inc. Maritec International, Inc.	Address Unknown Cherry Hill, NJ Long Island, NY Camden, NJ Salem, NJ Silver Springs, MD Address Unknown Middlesex, NJ Palisades Park, NJ, Edgewater, NJ Wenonah, NJ Address Unknown Swadesboro, NJ, Wilmington, DE Bristol, PA Whitford, MD
Marmac Industries, Inc. Material Resources Matlack, Inc. Mayco Oil & Chemical Co., Inc. McCorquodale Process, Inc., Color Card Division Mechanics Uniform A.C. Mengles Paint Industries, Inc. Metem Corp. Michaels Industrial Disposal Corp. Mid Atlantic Refinery Services, Inc. Mid-State Trading Co., successor to Simon Wrecking Co. Mitchell Waste Removal Co. Mobil Oil Corp. Mobil Research & Development Corp. Mobile Dredging & Pumping Co. Inc. Mobile Hydro Modern Industrial Waste Service Modern Transportation Co. Mohawk Labs of New Jersey Monroe Chemical Monsanto Co.	Cherry Hill, NJ Wheatland, PA, Phoenixville, PA Parsippany, NJ Piscataway, NJ Sewell, NJ Williamsport, PA Pitman, NJ New York, NY Paulsboro, NJ Exton, PA Address Unknown Clifton, NJ Kearney, NJ Monmouth Junction, NJ Address Unknown Bridgeport, Kearny, Camden, NJ

Moore Products Co.	Union, NJ, Springhouse, PA
Morton International, Inc., successor to	Chicago, IL, Trenton, NJ
Morton Thiokol Inc. and Thiokol	
Chemical Co.	
Moscatello, Salvatore	South Kearny, NJ
Moscatello, William	South Kearny, NJ
Mrs. Paul's Kitchens	Philadelphia, PA
Mullen, George	Cecil, NJ
N.L. Industries, Inc.,	Hightstown, Newark, NJ,
formerly National Lead Co.	Pedricktown, NJ
RJR Nabisco, Inc.,	Philadelphia, PA
successor to Standard Brands, Inc.	Winston-Salem, NC, Trenton, NJ
National Can Co.	East Hanover, NJ
National Rolling Mills, Inc.	Fairless Hills, Morrisville, PA,
National Steel Drum Co.	Chicago, IL
National Vacuum	Paoli, PA
National Vulcanized Fiber Co.	Philadelphia, PA
Nease Chemical Co., Inc.	Philadelphia, PA
Neshaminy Steel Fabricators	Yorklyn, DE, Willow Grove,
New York Twist Drill Corp.	Kennett Square, PA
Nicolet Industries, Inc.	State College, PA
Occidental Petroleum Corp.	Cornwall Hts., PA
O'Donnell, Bob	Ramsey, NJ
O.H. Materials	Norristown, PA
Oil Recovery	Los Angeles, CA, Wayne, NJ,
Olivetti Corp. of America	Harrison, NJ, Norwalk, CT
Orb Industries Inc.	Address Unknown
Orbis Products Corp.	Findley, OH
Owens-Corning Fiberglas Corp.	Address Unknown
Oxy Metal Industries	Burlington, NJ
PMC, Inc., Kleer Kast Division	Chester, PA, Upland, PA
Paisley Products, Inc.	Newark, NJ
Pakwell Paper Co.	Toledo, OH, Atco, NJ
Paluzzi Bros., Inc.	Wayne, NJ
Pantasio Wrecking Co.	Kearny, NJ
Paragon Paint & Oil Co.	Edison, NJ
Parker Co.	Philadelphia, PA, N. Wales, PA
Penn Walt Co.	Lyndhurst, NJ
Permalastic Products	Bala Cynwyd, PA
Petco Metals	Long Island, NY
Pfister Chemical Co.	Nutley, NJ, Mountain View, NJ
Pfizer, Inc.	Philadelphia, PA, Thorofare, NJ
Philadelphia Newspapers, Inc.	Trenton, NJ
Philadelphia Steel Wire	Address Unknown
Pinto Services, Inc.	Ridgefield, NJ
Pinto, Gloria	New York, NY,
Pinto, Joseph	Philadelphia, PA
Pioneer Salt & Chemical Co.	Philadelphia, PA
	Lodi, NJ
	Brick, NJ
	Brick, NJ
	Philadelphia, PA

Pittco-Pricketts Industrial Tank Cleaning	Deptford, NJ
Playtex International	Dover, DE
Poly Printing	Bridgeport, PA
Poly Sciences Inc.	Warrington, PA
Polymer Industries, Inc.	Springdale, CT, Stamford, CT
H.K. Porter Co., Inc.	Prospect Park, NJ
J.L. Prescott Co.	Passaic, NJ
Pressco Supply Co.	Address Unknown
Pricketts Industrial Tank Cleaning Co.	Deptford, NJ
Products Research	Address Unknown
Progressive Lighting Co.	Philadelphia, PA
Public Service Electric & Gas Co.	Newark, NJ
Purex Corp.	Bristol, Philadelphia, PA
Pyramid Chemical Imports	Fort Washington, PA
R & R Sanitation Service, Inc.	Mt. Freedom, NJ
R.K.D.	Milltown, NJ
RCA Corp.	New York, NY, Lancaster, PA
Rambler Enterprises	Philadelphia, PA
Reagents Chemical Co.	Newark, NJ, Middlesex, NJ
Reichold Chemicals, Inc.	White Plains, NY
Reichold Polymers, Inc.	Dover, DE, Winston-Salem, NC
Residex Corp.	Fairlawn, NJ, Marmora, NJ
Revere Chemical Corp.	Revere, PA
Rexart Chemical Co.	Jersey City, NJ
Richardson Graphics	Philadelphia, PA
Richardson Ink	Malvern, PA
Richardson Paints	Address Unknown
Rohm & Haas Co.	Philadelphia, PA
Rollins Environmental Services, Inc., successor to Rollins-Purle, Inc.	Wilmington, DE, Bridgeport, NJ
Root Industries, Inc.	York, PA, Riverside, NJ
Rose Ribbon and Manufacturing Co.	Harrison, NJ
Royal Tank Cleaning Co.	Mount Vernon, NY
Rudy's Cesspool Service	National Park, NJ
S & W Waste, Inc., successor to Moscatello Brothers, Inc.	South Kearny, NJ
S & J Leasing Co.	Woodstown, NJ
S.C.G.	Middlesex, NJ
SCM Corp.	Baltimore, MD, Phoenixville, PA
SCA Services, Inc., successor to Tony Gaess Service Corp., Gaess Environmental Service Corp., Earthline Co., and R & R Sanitation Serv.	Oak Brook, IL
Sandoz Chemical Corp.	Paterson, NJ, Hanover, NJ
Sandoz Pharmaceuticals, Inc., formerly Sandoz-Wander, Inc.	East Hanover, NJ, Fair Lawn, NJ
Sartomer Resins	Essington, PA
Scerbo, Frank	Woodbridge, NJ
F & S Scerbo Co.	Jersey City, NJ
Scerbo, Sam	Lyndhurst, NJ
Schiavo Brothers, Inc.	Philadelphia, PA, Oakbrook, IL
Scientific Chemical Corp., Inc.	Scotch Plains, NJ
Scientific Chemical Processing, Inc.	Rutherford, NJ, Carlstadt, NJ

Scientific Chemical Treatment
Scott Paper Co.
Selas Corp. of America
Sequa Corp.,
 successor to General Printing Ink,
 Division of Sun Chemical
Shell Oil Co.
Sherwin-Williams Co., Inc.

Slevin Enterprises
Solvents Recovery Service
 of New Jersey, Inc.
Solvents Recovery Service of
 New England, Inc.
Somerset Tar
Southco Inc.
Staley Chemical Co.

Standard Brands Chemical Ind., Inc.
State Steel Drum and Barrel

State-wide Environmental Corp.
Stauffer Chemical Co.
Steelment Inc.
Stapan Chemical Co.
Jacob Stern & Son
W.N. Stevenson Co.
J. Sukonick Co.
Sukonik Barrel and Drum Co., Inc.
Sullivan Industries
Sumco, Inc.
Superpac Inc.
Swope Oil & Chemical Co.
Sylvania Corp.

Talon Adhesives Corp.
Tanatex Chemical Co.
A. Tarricone, Inc.
Technitrol, Inc.
Temple Iron
Tennaco Polymers, Inc.,
 successor to Tenneco Chemicals, Inc.
Theater Magic, Inc.
Thiokol Chemical Corp.
S.B. Thomas, Inc.
Tooley's Truck Stop, Inc.
Total Disposal
Trash Removers, Inc.
Trenton Fibre Drum Co.
Triangle Publications, Inc.
Tyco Industries, Inc.
Tyndale Co.

UOP Inc.
Union Amsco

Carlstadt, NJ
Philadelphia, PA
Dresher, PA
New York, NY, East Rutherford,
NJ, Philadelphia, PA

Houston, TX, Brooklyn, NY
Cleveland, OH, Newark, NJ,
 Gibbsboro, NJ
Toms River, NJ
Linden, NJ

Southington, CT

Address Unknown
Address Unknown
Morrisville, PA,
 Rolling Meadows, IL
Winston-Salem, NC, Dover, DE
W. Collingswood, Camden, NJ,
 Penn Valley, PA
South Plainfield, NJ
Westport, CT, Edison, NJ
Pittsburg, PA
Maywood, NJ
Jenkintown, PA
Bala Cynwyd, PA
Philadelphia, PA
Penn Valley, PA
Philadelphia, PA
Montclair, NJ, Belleville, NJ
Southampton, PA
Pennsauken, NJ
Madison, NJ

Kearny, NJ
Lyndhurst, NJ
Yonkers, NY
Philadelphia, PA
Philadelphia, PA
Houston, TX

Sewell, NJ
Trenton, NJ
Metuchen, NJ
Jersey City, NJ
Philadelphia, PA
New Castle, DE
Trenton, NJ
Philadelphia, PA
Morrestown, NJ
Gloucester, NJ

East Rutherford, NJ
Carteret, NJ

Union Bag-Camp Paper Co.	Lancaster, PA
Union Steel Corp.	Union, NJ, Piscataway, NJ
Unisys Corp., successor to Sperry Corp.	New Holland, PA
United Aero Products	Burlington, NJ, Beverly, NJ
U.S. Gypsum Co.	Chicago, IL
U.S. Steel	Pennsauken, NJ
United Steel Barrel Co., a/k/a U.S. Barrel	Philadelphia, PA
Universal Container Co.	Trainer, PA, Paulsboro, NJ
Vergona & Sons	Edgewater, NJ
Vergano Corp.	Address Unknown
Versatile Products Co.	Philadelphia, PA
Vick's Manufacturing Co.	Hatboro, PA
Vulcan Materials Co.	Newark, NJ
Wastco Inc.	Upper Saddle River, NJ
Western Electric Co., Inc.	Wilmington, DE, Allentown, PA
Westinghouse Electric Corp.	Pittsburgh, Philadelphia, PA, Hillside, NJ
Wheaton Industries	Millville, NJ
Wheaton Plastic - Cote Co.	Millville, NJ, Mays Landing, NJ
Whitford Co.	Address Unknown
Willing B. Wire Co.	Beverly, NJ
Wilmington Chemical Co.	Wilmington, DE
Worthington Biochemical Corp.	Freehold, NJ
Wyeth Laboratories, Inc.	Philadelphia, PA
X-Cel Inc.	Newark, NJ
Zeigler Refuse Co.	York, PA

II. THE MARVIN JONAS TRANSFER STATION

A. THE SITE

9. The Marvin Jonas Transfer Station encompasses a 19.93 acre site located on Barkridge Road in Deptford Township, Gloucester County, New Jersey, designated as Block 400, Lots 5 and 14 on the municipal tax map.

B. SITE HISTORY

10. In the early 1900s the Site was a sand and gravel operation owned by Wenonah Cement Products Company (later known as Wenonah Sand and Gravel Company). The Site was purchased by Michael J. Schiavo and his wife Gemma of Barrington, New Jersey on September 13, 1960. Michael J. and Gemma Schiavo sold the property to Marjory T. Schiavo of Barrington, New Jersey on May 10, 1965. On August 18, 1965 Marjory T. Schiavo sold the property to Marvin Jonas of Cherry Hill, New Jersey. Marvin Jonas owned the property until December 29, 1980 when he sold it to Theater Magic, Inc. the current property owner. Marvin Jonas was the president of Theater Magic, Inc.

11. Based on aerial photographs taken of the Site it appears that the Site operated as a sand and gravel operation until it was sold to the Schiavos. Prior to its purchase by Marvin Jonas, the Site was operated as a landfill by Schiavo Brothers, Inc.¹ Aerial photographs taken on February 7, 1962 show evidence of extensive landfilling operations and an active landfill face. There also appeared to be several drums present on Site at that time.

12. The Marvin Jonas Transfer Station (hereafter "the Site", or "the Transfer Station" or "the Facility") was operated by Marvin Jonas and Marvin Jonas, Inc., d/b/a Jonas Waste Removal and/or Jonas Steel Drum from 1969 to approximately 1981.

13. During the Site's later operation, either Jonas would pick up hazardous substances from its customers or waste would be delivered to the site by Jonas customers. Using its own personnel and equipment, Jonas transported hazardous substances from his customer's facilities to the Site for transfer to other vessels prior to ultimate disposal. If the material was in drums, the material was emptied at the transfer station

¹ See depositions of Marvin Jonas, dated 4/14/86 and 4/15/86 and taken in the matter of Marvin Jonas.

into other vessels, commingled with other waste, and taken to various sites for disposal.

14. A March 14, 1974 aerial photograph showed what appeared to be thousands of drums on the ground throughout the Site. Tankers, trucks and trailers were also present. Aerial photographs revealed discharges throughout the Site on July 13, 1978 and March 17, 1979. There also appeared to be a discharge stream or erosion caused by the possible dumping of liquid where the asphalt solidification/mixing pad is now located. Tanker trucks and trailers were also present in the photographs. The 1979 photograph showed what appeared to be a lagoon on Site.

15. Inspections of the Site on December 5, 1979, June 20, 1980, August 26, 1980, October 7, 1980, November 8, 1983, and June 21, 1984 by Department inspectors revealed discharges.

C. RESPONDENTS

16. The following respondents generated hazardous substances which were transported to the Marvin Jonas Transfer Station and discharged there as a result of spillage, leakage and other discharges resulting from transfer, storage or disposal operations at the site.²

A & B Drum Co., Inc.
A.B.M. Disposal Service
Active Oil Service
Adelphi Products Corp.
Air Products & Chemicals, Inc.
Albanil Dye & Chemical, Inc.
Alglas Corp.
Allied Kid Co.
Allied Tube & Conduit
Almo Anti-Pollution Services Corp.
Almo Tank Cleaning and Maintenance Co.
American Pollution Control
American Bag & Paper Co.
American Bultrite
American Can Co.
American Clam Co., Inc.

² See Jonas' ledger cards, loose-leaf pages, depositions and the Operational Statement filed by Jonas for 1974, indicating that the named respondents were Jonas customers from which hazardous substances were transported to the Jonas transfer station.

American Cooperage Co.
American Cyanamid Co.
American Lacquer Solvents Co.
Ammco Assoc.
Anaconda Wire & Cable Co.
Armak Co.
Armstrong Cork
Arsynco, Inc.
Art Metals USA, Inc.
Ashland Oil, Inc.
Asphalt Sales, Inc.
Atlantic Disposal
Atlas Salvage

B & F Corp.
B.P. Oil Corp.
B & W Coatings
Bechtel Power Co.
Beck Engraving Co., Inc.
Bentley Harris Mfg. Co.
A.C. Berwick Transporters, Inc.
Bessemer Processing Co., Inc.
Betz Laboratories, Inc.
Beverly Associates
Bio-Nomic Resource Inc.
Blackwood Carbon Products
Bowen-McLaughlin - York Co.
Brookside Metals
M.A. Bruder & Sons, Inc.

CBS, Inc.
Campbell Chain
Car-O-Matic Car Wash
Celanese Corp.
Central Jersey Disposal Service Co.
Central Steel Drum Co.
Cerro Wire & Cable Co.
Certained Corp.
Chemed Inc.
Chemex, Inc.
Chemical & Solvent Distillers, Inc.
Chemical Control Corp.
Chemical Leaman Tank Lines, Inc.
Chemical Waste Disposal, Inc.
Chemquid Disposal, Inc.
Chemetron
Chester Packing Co., Inc.
Chicago Bridge & Iron

Classic Chemical
Clayton & Sons
Coast Pro-Seal, Inc.
Coastal Services
Cole Steel Co.
Colony Container
Combustion Equipment
CoMetals of Pennsylvania
Comfort Homes
Concord Chemical Co., Inc.
Consolidated Cork Co.
Container Corp. of America
Continental Can Co., Inc.
Copy Graphics
Corco, Inc.
Crompton & Knowles
Crown Cork & Seal Co., Inc.
Curley Co., Inc.

Dairy Pak
Daubert Industries, Inc.
DeRewal Chemical Co., Inc.
DeSandro, Inc.
Delbar Products
Denny Corp.
Denny Paper Co.
Desoto Inc.
Devoe Realty Co.
Dewey Almy Chemical Division of W.R. Grace & Co.
Diamond Head Oil Corp.
Diversified Marketing Group
John C. Dolph Co.
Damon Douglas Co.
E.I. Dupont De Nemours & Co., Inc.
Duane Marine Corp.
Duke Refinery

ESB Corp.
Earthline Co.
East Coast Pollution Control, Inc.
East Coast Salvage
Eastern Auto Parts Co., Inc.
Eastern Industrial Corp.
Eastern Waste Removal
Echo, Inc.
Ekco Products, Inc.
Ellis Cooperage
Enderlein, H.G. Co.

Engineering Services (Hauto Metalurgical)
Enterprise Container Corp.
Erie Trading Co.
Essex Chemical Co.
Exide Inc.
Exxon Research & Engineering Co.

FLS Inc.
Federal Alloys
Fergusson, Alex
Fernwood Polychrome
Fine Organics, Inc.
Firestone Adhesives Co.
Food Haulers
Ford Industrial Services, Inc.
Ford Motor Corp.

G.A.F. Corp.
Gaess Environmental Services Corp.
Tony Gaess Service Co.
Galaxy Chemicals, Inc.
Garden State Trading Co.
Garlock Bearings, Inc.
General Cooperage
General Electric Service Shop
General Marine Transport Corp.
General Metalcraft, Inc.
General Printing Ink Co.
Gilbert-Spruance Co., Inc.
Gimbels
Glidden Durkee
Gold Cooperage, Inc.
Goldberg, Harold
Gould Inc.
W.R. Grace & Co.
Graphic Control
A. Gross and Co.
Grow Chemical Coatings Co.

Hachik Bleach Co.
Harien Chemical
Harshaw Chemical Co.
Hartz Mountain Industries, Inc.
Hatco Chemical Co.
E.H. Hausermann Co.
Hauto Metallurgical Corp.
Haven Chemical Co.
Fred Heinzelman and Sons, Inc.

Henkels & McCoy, Inc.
Hercules, Inc.
Hoffman Container Corp.
Hoffman-La Roche, Inc.
Howmet Aluminum Corp.
Hughes Bros. Co.
Hulbert Oil Co.
Hussman Refrigerator Co.
Hyatt Bearings
Hygrade Foods

I.C.I. Americas, Inc.
Imports Disposal
Industrial Processing Systems, Inc.
Industrial Surplus Chemicals, Inc.
Inland Chemical Co., Inc.
Inland Pumping & Dredging Corp.
Ivers-Lee

J & J Leasing
J.I.S. Co.
Jay-Tar Co.
Jonas Steel Drum

K.T.K. Inc.
Kaiser Aluminum & Chemical Sales
Kelly, Donald
Keystone Millwork Co.
Keystone Reprive
Kleer Kast Inc.
Jacob Kline Corp.
K-Metal Fabricators Inc.
Kraft Oil

Lansdowne Steel & Iron
Leefson, Jack
Liberty Smelting
Lightman Drum Co., Inc.
Linwood Container Corp.
Lubrication Eng. Inc.

M.P.C. Ind.
Magic Marker Corp.
Magid Co.
Magnetic Metal Co.
Mannington Mills, Inc.
Marisol, Inc.
Maritec International, Inc.

Marmac Industries, Inc.
Material Resources
Matlack, Inc.
Mayco Oil & Chemical Co., Inc.
McCorquodale Process, Inc.
Mechanics Uniform
A.C. Mengles Paint Industries, Inc.
Michaels Industrial Disposal Corp.
Mid Atlantic Refinery Services, Inc.
Mitchell Waste Removal Co.
Mobil Oil Corp.
Mobile Dredging and Pumping Co.
Mobile Hydro
Modern Industrial Waste Removal
Modern Transportation Co.
Mohawk Labs of New Jersey
Monroe Chemical
Monsanto Co.
Moore Products Co.
Morton Thiokol Corp.
Mrs. Paul's Kitchens
Mullen, George

N.L. Industries, Inc.
National Can Co.
National Lead Co.
National Rolling Mills Co.
National Steel Drum Co.
National Vacuum
National Vulcanized Fiber Co.
Nease Chemical Co. Inc.
Neshaminy Steel Fabricators
New York Twist Drill Corp.
Nicolet Industries, Inc.

Oxy Metal Industries
O'Donnell, Bob
O.H. Materials
Oil Recovery
Olivetti Corp. of America
Orb Industries, Inc.
Orbis Products Corp.

Paisley Products, Inc.
Pakwell Paper Co.
Paluzzi Bros., Inc.
Pantasio Wrecking Co.
Paragon Paint & Oil Co.

Parker Co.
Permalastic Products
Petco Metals
Pfister Chemical Co.
Philadelphia Inquirer
Philadelphia Newspapers, Inc.
Philadelphia Steel Wire
Pioneer Salt & Chemical Co.
Pittco-Pricketts Industrial Tank Cleaning Co.
Playtex International
Poly Printing
Poly Sciences Inc.
Polymer Industries, Inc.
Polyrez, Inc.
H.K. Porter Co., Inc.
J.L. Prescott Co.
Pressco Supply Co.
Products Research
Progressive Lighting Co.
Public Service Electric and Gas Co., Inc.
Purex Corp
Pyramid Chemical Imports

RCA Corp.
R.K.D.
Rambler Enterprises
Reagents Chemical Co.
Reichold Chemicals, Inc.
Reichold Polymers, Inc.
Residex Corp.
Revere Chemical Corp.
Richardson Graphics
Richardson Ink
Richardson Paints
Rohm & Haas Co.
Rollins Purle
Royal Tank Cleaning Co.

S & J Leasing Co.
S.C.G.
S.C.M. Corp. and the Glidden Coating & Resins Division
Sandoz-Wander
Sartomer Resins
Schiavo Bros., Inc.
Scientific Chemical Corp. Inc.
Scientific Chemical Processing
Scientific Chemical Treatment
Scott Paper Co.

Selas Corp of America
Shell Oil Co.
Sherwin-Williams Co. Inc.
Simon Wrecking Co.
Slevin Enterprises
Smith, J.B.
Solvents Recovery Service of New England, Inc.
Somerset Tar
Southco Inc.
Sperry-Rand Corp.
E.R. Squibb and Sons, Inc.
Staley Chemical Co.
Standard Brands Chemical Industries, Inc.
State Steel Drum & Barrel
State-Wide Environmental Corp.
Stauffer Chemical Co.
Steelment Inc.
Stepan Chemical Co.
Jacob Stern & Son
Stevenson, W.N. Co.
J. Sukonick Co.
Sullivan Industries
Sumco, Inc.
Superpac Inc.
Swope Oil & Chemical Co.
Sylvania Corp.

Talon Adhesives Corp.
Tanatex Chemical Co.
A. Tarricone, Inc.
Technitrol, Inc.
Temple Iron
Thiokol Chemical Corp.
Total Disposal
Trash Removers Inc.
Trenton Fibre Drum Co.
Triangle Publications, Inc.
Tyco Industries, Inc.
Tyndale Co.

UOP Inc.
Union Amco
Union Bag-Camp Paper Corp.
Union Steel Corp.
United Aero Products
U.S. Gypsum Co.
U.S. Printing Ink Co.
U.S. Steel

United Steel Barrel Co.
Universal Container Co.

Vergona & Sons
Vergano Corp.
Versatile Products Co.
Vick's Manufacturing Co.
Vulcan Materials Co.

Wastco, Inc.
Western Electric Co., Inc.
Westinghouse Electric Corp.
Wheaton Industries
Wheaton Plastic-Cote Co.
Whitford Co.
Willing B. Wire Co.
Wilmington Chemical Co.
Worthington Biochemical Corp.
Wyeth Labs

X Cel Corp.

Zeigler Refuse Co.

D. SOIL AND GROUND WATER CONTAMINATION

17. Analyses of ground water and soil samples taken from the transfer station site indicated the presence of hazardous substances including, but not limited to, benzene, chlorobenzene, toluene, vinyl chloride, naphthalene, arsenic, chromium, lead and zinc.

E. LIABILITY

18. The hazardous substances referred to above were and are continuing to discharge into the waters and/or onto the lands of the State of New Jersey in violation of Section 4 of the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11c.

19. The Department believes that the parties identified in Section II., C. hereinabove (hereinafter "Jonas Transfer Station Respondents") are responsible for the discharge of hazardous substances at, around, and from the Marvin Jonas Transfer Station.

20. Pursuant to N.J.S.A. 58:10-23.11g(c), the Jonas Transfer Station Respondents are strictly liable, jointly and severally, without regard to fault, for all costs of the cleanup and removal of the hazardous substances discharged at, around, and from the Marvin Jonas Transfer Station.

21. Pursuant to N.J.S.A. 58:10-23.11f, whenever a hazardous substance is discharged, the Department may, in its discretion, act to remove or arrange for the removal of such discharge or may direct the dischargers to remove, or arrange for the removal of such discharge.

F. DIRECTIVE

NOW, THEREFORE, JONAS TRANSFER STATION RESPONDENTS ARE HEREBY DIRECTED TO:

22. Secure the site by erecting a fence, delineate areas of soil contamination by conducting soil sampling, remove any contaminated soil, remove all tank trailers and drums and properly dispose of the trailers, drums and their contents, identify locations of any buried drums, and install groundwater monitoring wells. In order to ensure that the Respondents will perform the work in a proper and timely manner, the Jonas Transfer Station Respondents must execute an Administrative Consent Order, with financial assurances and stipulated penalties, acceptable to the Department, on or before June 30, 1990.

III. FLORENCE LAND RECONTOURING LANDFILL

A. THE SITE

23. The Florence Land Recontouring (hereafter "FLR") Landfill is located on Cedar Lane Extension in the Townships of Florence, Mansfield, and Springfield in Burlington County, New Jersey. The site is situated between the New Jersey Turnpike and I-295, one mile south of Interchange 52 on I-295. More specifically, the property on which the landfill is situated is delineated as Block 173, Lots 1, 2, 3A and 3B in Florence; Block 44, Lot 7 and Block 44A, Lot 8 in Mansfield; and Block 304, Lot 1 in Springfield. These parcels of land cover an area of about 60 acres.

B. SITE HISTORY

24. The FLR Landfill was a solid waste disposal facility, encompassing approximately 29 acres and was in operation from November 1973 to November 1981.

25. On November 2, 1973, the Department of Environmental Protection issued a Registration for a solid waste facility to Florence Land Recontouring, Inc. (hereafter "FLR, Inc.")

26. In May, 1976, Jersey Environmental Management Services, Inc. (hereafter "JEMS") took over management of the FLR Landfill. On December 23, 1976 a Certificate of Transfer of Registration and Engineering Design for a Sanitary Landfill, transferred the registration of FLR Landfill from FLR Inc. to JEMS, Inc.

C. RESPONDENTS

1. GENERATORS AND HAULERS

27. Almo Anti-Pollution Services Corporation and/or Almo Tank Cleaning and Maintenance Co. generated hazardous substances which were disposed of at FLR Landfill by Marvin Jonas.³

³ See Jonas' loose-leaf records indicating that during October, 1976, Almo used Jonas to dispose of waste oil, a hazardous substance, at FLR Landfill.

28. Aaxon Industrial, Inc. disposed of hazardous substances at FLR Landfill.⁴
29. Hercules Incorporated generated hazardous substances which were disposed of at FLR Landfill.⁵
30. Hooker Chemicals and Plastics Corp. disposed of hazardous substances at FLR Landfill.⁶
31. Marvin Jonas Inc. a/d/b/a Jonas Waste Removal disposed of hazardous substances at FLR Landfill.⁷
32. Public Service Electric and Gas Company (hereafter "PSE&G") generated hazardous substances which were disposed of at FLR Landfill.⁸

⁴ See New Jersey Manifest Numbers 16522 and 16514 indicating that Aaxon removed 32 cubic yards of asbestos from PSE&G's Sewaren, New Jersey facility on January 20, 1981 and January 27, 1981 and disposed of these substances at FLR Landfill. See also Hazardous Waste Manifest Nos. 2996, 3000 and 3001 indicating that Aaxon removed asbestos from PSE&G's Mercer Generating Station during November 1980 and disposed of these substances at FLR landfill.

⁵ See Hercules' response to EPA's 104(e) request, indicating that Hercules' Burlington, New Jersey facility used FLR Landfill for disposal of mixed industrial wastes containing plastizers, resins, solvents, oils and oil sludges.

⁶ See Hooker's response to EPA's 104(e) request, indicating that Hooker disposed of waste from its Burlington, New Jersey facility at FLR Landfill. This waste contained the hazardous substances cadmium, lead, zinc, antimony, chromium and Bis(2-ethylhexyl) Phthalate.

⁷ See Jonas' records indicating that during October, 1976 Jonas disposed of waste oil, generated by Almo, at FLR Landfill.

⁸ See New Jersey Manifest Numbers 16514 and 16522 indicating that PSE&G generated asbestos waste which was disposed of at FLR Landfill on January 20, 1981 and January 27, 1981. See also fn. re: Aaxon Industrial, Inc.

33. Root Industries, Incorporated disposed of hazardous substances at FLR Landfill.⁹

34. Tenneco Chemicals, Inc. disposed of hazardous substances at FLR Landfill.¹⁰

2. OWNERS AND OPERATORS

35. Anthony Amadei of Mantua, New Jersey, was an operator of the FLR Landfill.

36. John L. Atkin, of Levittown, Pennsylvania, was a partner in Florence Land Development Co. (hereafter "FLDC"), which owned the FLR Landfill site.

37. Alton W. Cross, Jr., of Willingboro, New Jersey, was a partner in FLDC, which owned the FLR Landfill site.

38. Florence Land Recontouring, Inc. (hereafter "FLR Inc.") of Burlington, New Jersey, was a corporation involved in the leasing and operation of the FLR Landfill.

39. The Florence Land Development Company (hereafter "FLDC") of Willingboro, New Jersey, was a partnership and an owner of the FLR Landfill site.

40. Florence Land Development, Inc. of Livingston, New Jersey, was a corporation and an owner of the FLR Landfill site.

⁹ See correspondence dated March 13, 1973 from Root Industries to the Department, indicating that Root Industries would be removing sludge from its Riverside Metals facility, Riverside, New Jersey, and would be disposing of this sludge at FLR Landfill and at another site. See also, the Report of Analysis, attached to the March 13, 1978 correspondence, indicating that the sludge contained the hazardous substances copper, chromium and nickel. The volume of sludge to be removed was estimated to be approximately 6,400 cubic yards.

¹⁰ See Tenneco's response to EPA's 104(e) request indicating that Tenneco's Burlington, New Jersey facility disposed of wastes containing the hazardous substances, Bis-2-ethylhexyl phthalate, antimony, lead, copper, chromium and cadmium, at FLR Landfill.

41. Jersey Environmental Management Services, Inc. (hereinafter "JEMS") of Blackwood, New Jersey, was a corporation involved in the leasing and operation of the FLR Landfill.

42. Jerome Kotzen, of Abington, Pennsylvania, was a partner in FLDC, which owned the FLR Landfill site.

43. George Kudra, of Washington Crossing, Pennsylvania, was a partner in FLDC, which owned the FLR Landfill site.

44. Ernest N. Sever, of Beverly, New Jersey, was a partner in FLDC, which owned the FLR Landfill site.

D. ADJACENT GEOGRAPHY

45. The area surrounding FLR Landfill is predominantly residential and agricultural. Adjacent to most of the site perimeter are lands recently acquired by Burlington County for the implementation of a new 600-acre solid waste management facility. The remaining site boundaries are formed by the Assinscunk Creek. The creek flows in a southerly direction, and is a tributary to the Delaware River and is used for both noncontact recreational purposes and for irrigation.

46. The FLR Landfill lies above the Raritan-Magothy Aquifer, a major source of drinking water for the area.

E. GROUND AND SURFACE WATER CONTAMINATION

47. Analyses performed by various groups, including the Department and the United States Environmental Protection Agency and their engineering consultants, of monitoring well samples and surface water and leachate samples at and around FLR Landfill, indicate that hazardous substances have and are continuing to be discharged from FLR Landfill and are contaminating the soil, ground and surface water.

48. Elevated levels of hazardous substances have been detected in the landfill material and in ground water from monitoring wells within the landfill.

49. Hazardous substances are migrating from FLR Landfill and have been detected in the surface water and sediment samples of the Assiscunk Creek and in downgradient soil borings.

F. THE SELECTED REMEDIAL ACTION ALTERNATIVE

50. A Remedial Investigation/Feasibility Study (hereafter "RI/FS") for the site was completed in May 1986. Based upon the RI/FS, on June 27, 1986, Christopher J. Daggett, Regional Administrator, Region II, United

States Environmental Protection Agency, signed a Record of Decision (hereafter "ROD") for FLR Landfill. As set forth in the ROD, the Selected Remedy for the Landfill includes:

- . Construction of a synthetic membrane and clay composite cap;
- . Construction of a circumferential soil/bentonite slurry containment wall;
- . Construction of an upgradient ground-water interceptor system;
- . Construction of a new stormwater management system;
- . Leachate treatment and disposal at a POTW or the Burlington County Solid Waste Management Facilities Complex;
- . Gas collection and treatment;
- . Removal and disposal of lagoon liquids and sediments, and other surface debris;
- . Construction of a partial fence with warning signs;
- . Supplemental sampling of ground water, surface water and sediments during design.

51. On September 18, 1989, the Department and the United States Environmental Protection Agency entered into a Cooperative Agreement for remedial activities at FLR Landfill. The Department is committed to pay up to \$2,465,749.00 as its ten (10) percent share of the selected remedial action.

G. LIABILITY

52. The hazardous substances referred to above were and are continuing to discharge into the waters and/or onto the lands of the State of New Jersey in violation of Section 4 of the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11c.

53. The Department believes that the parties identified in Section III., C. hereinabove (hereinafter "FLR Respondents") are responsible for the discharge of hazardous substances at, around, and from FLR Landfill.

54. Pursuant to N.J.S.A. 58:10-23.11g(c), the FLR Respondents are strictly liable, jointly and severally, without regard to fault, for all costs of the cleanup and removal of the hazardous substances discharged at, around, and from FLR Landfill.

55. Pursuant to N.J.S.A. 58:10-23.11f, whenever a hazardous substance is discharged, the Department may, in its discretion, act to remove or arrange for the removal of such discharge or may direct the dischargers to remove, or arrange for the removal of such discharge.

H. DIRECTIVE

NOW, THEREFORE, FLR RESPONDENTS ARE HEREBY DIRECTED TO:

56. Arrange for the conduct of the remedial measures referenced above by paying to the Department \$2,465,749.00 for the Department's estimated share of the remedial construction activities and arrange for the Department's estimated costs of administering future operation and maintenance as required by the cooperative agreement for the FLR Landfill by paying to the Department an additional \$5,078,280.00, a total of \$7,544,029.00, by June 15, 1990. Payment shall be made by certified check payable to "Treasurer, State of New Jersey" and sent to:

Douglas E. Martin, Esquire
Frank X. Cardiello, Esquire
New Jersey Department of Environmental Protection
Division of Regulatory Affairs
Cost Recovery Element
401 E. State Street
CN 402
Trenton, New Jersey 08625

IV. HELEN KRAMER LANDFILL

A. THE SITE

57. The Helen Kramer Landfill encompasses a sixty-six acre landfill site located on Leave Road in Mantua Township, Gloucester County, New Jersey, designated as Block 6, Lot 1 Farm on the municipal tax map. The Helen Kramer Landfill was operated at various times by Helen Kramer and Marvin Jonas. The landfill shall be referred to herein as "Kramer's Landfill," "the site," or simply "the Landfill."

B. SITE HISTORY

58. The Landfill was originally a sand and gravel operation. The site became an operating landfill between 1963 and 1965, during which time landfilling occurred simultaneously with sand excavation. In 1963, large volumes of wastes were deposited just north of the south ravine. Ponds of standing liquid were then located around the north ravine. Between 1963 and 1965, the fill was extended into the south ravine, and the north ravine was filled and graded. Very little is known about the Landfill activities between 1965 and 1970.

59. In 1970, the site operator, Marvin Jonas, was issued a temporary one-year registration by the Department and was given until July 1, 1971 to submit a sanitary landfill design required for permanent registration. Several months prior to the July 1, 1971 deadline, Marvin Jonas informed the Department that operation of the landfill was the responsibility of Helen Kramer, owner of the property on which the Landfill is located. Operations at the Landfill ceased in March of 1981.

C. RESPONDENTS

1. JONAS GENERATORS

60. Marvin Jonas of Sewell, New Jersey is an individual and officer of Marvin Jonas, Inc. and a proprietor of Jonas Steel Drum and Jonas Waste Removal. Jonas and his companies were involved in the transportation and disposal of various wastes, including hazardous substances at the Landfill.

61. During 1974 the following respondents generated hazardous substances some of which were disposed of at Kramers Landfill by Marvin Jonas.¹¹

¹¹ See the Jonas ledger cards indicating that these companies used Jonas for waste disposal during 1974. See also the Operational Statement filed by Jonas for the year 1974 (hereafter the "1974 Report"). This report covered only a limited number of the companies serviced by Jonas during 1974, and provided information regarding waste disposal for these companies including the type of waste and the disposal sites. Waste generated by Jonas customers during 1974 was disposed of at Kramer's Landfill, and other sites, with the exception of those companies, whose waste the 1974 report specifically indicates was sent solely to another site.

A.B.M. Disposal Service
American Bag & Paper Co.
American Can Co.
American Cooperage Co.
American Cyanamid Co.
Armak Co.
Asphalt Sales, Inc.
Bechtel Power Corp.
Beverly Associates
Central Jersey Disposal Co.
Chemical & Solvent Distillers, Inc.
Chemical Leaman Tank Lines, Inc.
Cole Steel Co.
Colony Container
Consolidated Cork Co.
Continental Can Co.
Daubert Industries, Inc.
Denny Corp.
DeSoto, Inc.
Dewey-Almy Chemical Division of W.R. Grace & Co.
Diamond Head Oil Corp.
Exxon Research & Engineering Co.
Firestone Adhesives Co.
Food Haulers
Ford Industrial Services Inc.
Ford Motor Corp.
Galaxy Chemicals, Inc.
General Metalcraft, Inc.
Gilbert-Spruance Co., Inc.
Grow Chemical Coatings Co.
ICI Americas, Inc.
Industrial Surplus Chemical
Inland Pumping & Dredging Corp.
J & J Leasing
Jay-Tar Co.
Kraft Oil

Marisol, Inc.
Marmac Industries, Inc.
Mayco Oil & Chemical Co., Inc.
McCorquodale Color Cord, Division of McCorquodale Process, Inc.
Mobile Dredging and Pumping Co.
Mohawk Labs of New Jersey
Monsanto Co.
NL Industries
National Can Co.
National Steel Drum Co.
National Vulcanized Fiber Co.
Occidental Petroleum Corporation
Paisley Products, Inc.
Permalastic Products
Pfister Chemical Co.
Philadelphia Newspapers, Inc.
Purex Corp.
Reagents Chemical Co.
Rohm & Haas Co.
S & J Leasing Co.
Schiavo Bros., Inc.
Scientific Chemical Processing
Selas Corp. of America
Sperry Corp.
E.R. Squibb & Sons, Inc.
Standard Brands, Inc.
Sylvania Corp.
Talon Adhesives Corp.
Thiokol Chemical Corp.
United Steel Barrel Co.
Whitford Co.
Worthington Biochemical Corp.
X-Cel Corp.

2. OTHER GENERATORS AND HAULERS

62. Almo Tank Cleaning and Maintenance Company and/or its successor Almo Anti-Pollution Control Corp. disposed of hazardous substances at Kramers Landfill.¹²

¹² See the September 6, 1989 and September 11, 1989 dispositions of Joseph Cucinotta wherein Cucinotta testified that Almo was using Kramers Landfill for waste disposal during the 1960's and that Kramers was used by Almo primarily for disposal of drums. Cucinotta testified that all of the drums of waste removed from Dupont's Chestnut Run Delaware facility were disposed of at Kramers Landfill and that these drums contained mostly paint thinner and paint dyes.

63. Bechtel Power Corporation hired Inland Pumping to transport and/or dispose of hazardous substances, including, but not limited to waste soils, sewer sludge and wash waters, from various locations. Inland Pumping in turn hired Jonas Waste Removal to transport and dispose of these hazardous substances. Jonas disposed of some of these hazardous substances at Kramer's Landfill.¹³

64. Chemline Corporation disposed of hazardous substances at Kramer's Landfill.¹⁴

65. Chub's Cesspool Service disposed of hazardous substances at Kramer's Landfill.¹⁵

66. E.I. Dupont De Nemours and Company, Inc. (hereafter "Dupont") generated hazardous substances which were disposed of at Kramer's Landfill.¹⁶

¹³ See the 1974 Report indicating that Jonas disposed of these wastes at Kramer's.

¹⁴ See Chemline's Application to Collect or Haul Solid Waste indicating the disposal of liquid chemical waste and/or waste oil at Kramer's Landfill.

¹⁵ See Chub's 1972 Application for Certification to Collect or Haul Solid Waste indicating the disposal of liquid chemical waste and/or waste oil at Kramer's Landfill.

¹⁶ See the September 6, 1989 testimony of Joseph Cucinotta, in which he stated that Dupont was a customer of Almo's and that Almo removed drums from Dupont's Chestnut Run, Delaware facility. See also Almo's records, marked as Exhibits 10 and 11, indicating that during 1962, 1963 and 1964, Almo sent 70 invoices to Dupont for waste disposal service. Joseph Cucinotta testified that during this period of time, Almo was removing drums of waste paint, paint thinners and paint dyes from the Dupont facility and disposing of this waste at Kramer's Landfill. Cucinotta estimated that approximately 1,470 drums were removed from Dupont during the time. Cucinotta testified that these 1,470 drums were only a portion of the waste removed from Dupont. Cucinotta recalls that all drummed waste was disposed of at Kramer's Landfill.

67. East Coast Pollution Control hired Jonas Waste Removal to transport and dispose of hazardous substances, including, but not limited to, waste oil from its Clayton, New Jersey facility. Jonas disposed of some of these hazardous substances at Kramer's Landfill.¹⁷

68. Exxon Research hired Jonas Waste Removal to transport and dispose of hazardous substances, including but not limited to, waste water solvents and paint sludges from its facility. Jonas disposed of these hazardous substances at Kramer's Landfill.¹⁸

69. Galaxy Chemicals, Inc. disposed of hazardous substances at Kramer's Landfill.¹⁹

70. Globe Disposal Company, Inc. (hereafter "Globe"), disposed of hazardous substances at Kramer's Landfill.²⁰

71. Krajack Tank Lines, Inc. disposed of hazardous substances at Kramer's Landfill.²¹

72. Lehigh Press Lithographers (hereafter "Lehigh Press"), hired Globe Disposal to transport and dispose of hazardous substances from its

¹⁷ Records of Jonas Waste Removal, in the possession of New Jersey Department of Environmental Protection, indicate tankwagons of waste oil generated by East Coast were disposed at Kramer's in 1977.

¹⁸ Jonas recalled hauling a sludgy material for Exxon and that in all probability this material was landfilled at Kramer's. See Jonas deposition, 4/15/86, p. 38.

¹⁹ See Galaxy's Application to Collect or Haul Solid Waste indicating the disposal of liquid chemical waste and/or waste oil at Kramer's Landfill.

²⁰ An Industrial Waste Survey completed by Lehigh Press indicates that industrial wastes including, but not limited to, halogenated hydrocarbons were disposed of by Globe at Kramer's Landfill.

²¹ See Krajack Tank Lines' Application to Collect or Haul Solid Wastes, dated April 30, 1973, indicating that Krajack Tank Lines was disposing of liquid chemical waste and/or waste oil at Kramer's Landfill.

Pennsauken, New Jersey facility. Globe disposed of these hazardous substances at Kramer's Landfill.²²

73. Marbeth Trucking Corp. (hereafter "Marbeth"), disposed of hazardous substances at Kramer's Landfill.²³

74. Mobil Research and Development Corporation (hereafter "Mobil Research"), disposed of hazardous substances at Kramer's Landfill.²⁴

75. Pennwalt Corporation hired Rollins Environmental Services, Inc. to transport and dispose of hazardous substances, including, but not limited to calcium fluoride sludge from its Thorofare, New Jersey facility. Rollins disposed of some of these hazardous substances at Kramer's.²⁵

76. Polyrez, Inc. hired Chub's Cesspool Service and Rudy's Cesspool Service to transport and dispose of hazardous substances, including, but

²² An Industrial Waste Survey completed by Lehigh Press indicates that industrial wastes, including, hazardous substances were disposed of at Kramer's Landfill.

²³ See correspondence dated January 7, 1974 from Marbeth to the Department, indicating that Marbeth was removing hazardous substances from Mobil Oil's refinery located in Paulsboro, New Jersey and disposing of these hazardous substances at Kramer's landfill.

²⁴ See Mobil Research's 1972 and 1974 Applications for Certification to Collect or Haul Solid Waste indicating the disposal of dry chemical waste, including, but not limited to solid hydrocarbon wastes, at Kramer's Landfill. See also correspondence from Marbeth Trucking, dated January 7, 1974, indicating that Marbeth was disposing of hazardous substances from Mobil's Paulsboro, New Jersey facility at Kramer's Landfill.

²⁵ See records of Pennwalt, in the possession of the Department, which indicate calcium fluoride sludge from lagoons at Pennwalt's facility was disposed at Kramer's.

not limited to, phenol waste from its Woodbury, New Jersey facility at Kramer's.²⁶

77. Rollins Environmental Services, Inc. disposed of hazardous substances at Kramer's Landfill.²⁷

78. Rudy's Cesspool Service disposed of hazardous substances at Kramer's Landfill.²⁸

79. S-J Transportation disposed of hazardous substances at Kramer's Landfill.²⁹

80. Simon Wrecking Co., Inc. (hereafter "Simon Wrecking") disposed of hazardous substances at Kramer's Landfill.³⁰

3. OWNERS AND OPERATORS

81. Helen Kramer of Mantua, New Jersey in an individual who owned the property on which the Landfill is located. Helen Kramer operated the landfill and/or leased the site to Marvin Jonas for the purpose of using the site for landfill operations.

²⁶ See the Industrial Survey Inspection Report and the Selected Substance Report submitted by Polyrez. See also the business records of Chub's Cesspool Service in the possession of the Department.

²⁷ See letters dated May 20, 1975 and July 10, 1975 on the possession of the Department which indicates the disposal of calcium fluoride sludge at Kramer's.

²⁸ See 1973 Application for Certification to Collect or Haul Solid Waste filed by Rudy's Cesspool Service indicating the disposal of liquid chemical waste and/or waste oil at Kramer's Landfill.

²⁹ See the Registration Statement for a Solid/Liquid Waste Collector or Hauler filed by S-J Transportation in 1974 which indicates the disposal of liquid chemical waste at Kramer's.

³⁰ See the Application for Certification to Collect or Haul Solid Waste filed by Simon Wrecking and dated April 5, 1973, indicating that Simon Wrecking was disposing of 3,000 gallons per week of waste oil and liquid chemicals at Kramer's Landfill.

82. Marvin Jonas, Inc. a/d/b/a Jonas Waste Removal (hereinafter "Jonas") of Sewell, New Jersey, is a corporation which was involved in the transportation and disposal of various wastes, including hazardous substances, and the leasing of Kramer's Landfill.

83. Helen Kramer and Marvin Jonas allowed wastes, including hazardous substances, to be landfilled at Kramer's Landfill.

D. ADJACENT GEOGRAPHY

84. Center City, a planned residential community, is located approximately 0.25 miles east of the site. The Town of Mantua is located approximately 1.4 miles northeast of the site.

85. Edwards Run is a stream which runs along the east side of the landfill site, in a relatively low-lying and well entrenched stream valley.

86. Hidden Acres Township Park lies along Edwards Run approximately 4000 feet downstream of the site. Edwards Run flows into Mantua Creek approximately 2.8 miles downstream of the site. Mantua Creek is a tributary to the Delaware River.

87. Three aquifers underlie the site; the Mount Laurel/Wenonah, the Englishtown and the Raritan Magothy. Ground water is a source of potable water in the vicinity of Kramer's Landfill and all three aquifers are currently used by residences and municipalities as potable water sources.

E. GROUND AND SURFACE WATER CONTAMINATION

88. Analyses performed by various groups, including the Department and the United States Environmental Protection Agency and their engineering consultants, of monitor well samples and surface water and leachate samples at and around Kramer's Landfill reveal that hazardous substances have and are continuing to be discharged from Kramer's Landfill and are contaminating the soil, ground and surface water.

89. Hazardous substances are migrating from Kramer's Landfill and have been detected in the ground water in and around Kramer's Landfill and in the sediments and surface waters of Edwards Run.

90. The Mount Laurel/Wenonah aquifer is grossly contaminated by hazardous substances discharging from Kramer's Landfill. As a result, a plume of contaminated water exists in the Mount Laurel/Wenonah aquifer. Sampling data also shows a potential for the Englishtown aquifer to be contaminated. Downgradient water supply wells located in these aquifers are threatened with discharged hazardous substances migrating from Kramer's Landfill.

91. Generation of landfill leachate containing hazardous substances will continue as a result of surface water infiltration through Kramer's Landfill and contact between the ground water and landfill wastes and the hazardous substances contained therein.

F. THE SELECTED REMEDIAL ACTION ALTERNATIVE

92. On May 29, 1986, the Department and the United States Environmental Protection Agency entered into a Superfund State Contract for remedial activities at the Helen Kramer Landfill. The Department is committed to pay up to \$6.65 million as its ten (10) percent share of the Task III costs. Task III constitutes the implementation of the selected remedial action.

93. A remedial investigation/feasibility study (hereinafter "RI/FS") for the site was completed in July of 1985, the major conclusions of which have been set forth in "Section E" above. Based upon the RI/FS, on September 27, 1985, Christopher J. Daggett, Regional Administrator, Region II, United States Environmental Protection Agency, signed a Record of Decision (hereinafter "the ROD") for Kramer's Landfill. As set forth in the ROD, the Selected Remedy for the Landfill includes:

- . Construction of a security fence.
- . Construction of a clay landfill cap.
- . Construction of a collection trench and an up-gradient slurry wall.
- . Construction of an active gas collection and treatment system.
- . Construction of a ground water/leachate collection and treatment system. Dependent upon the results of a Treatability Study and upon institutional constraints, there are two treatment options for collected ground water and leachate; complete treatment on-site and discharge to adjacent surface waters or on-site pretreatment and discharge to the Publicly Owned Treatment Works ("POTW").
- . Implementation of a monitoring program.
- . Dewatering, excavation and filling of the lagoons.
- . Operation and maintenance as required to ensure the continued effectiveness of the remedy.

G. LIABILITY

94. The hazardous substances referred to above were and are continuing to discharge into the waters and/or onto the lands of the State of New Jersey in violation of Section 4 of the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11c.

95. The Department believes that the parties identified in Section IV., C. hereinabove (hereinafter "Kramer Respondents") are responsible for the discharge of hazardous substances at, around, and from Kramer's Landfill.

96. Pursuant to N.J.S.A. 58:10-23.11g(c), the Kramer Respondents are strictly liable, jointly and severally, without regard to fault, for all costs of the cleanup and removal of the hazardous substances discharged at, around, and from Kramer's Landfill.

97. Pursuant to N.J.S.A. 58:10-23.11f, whenever a hazardous substance is discharged, the Department may, in its discretion, act to remove or arrange for the removal of such discharge or may direct the dischargers to remove, or arrange for the removal of such discharge.

DIRECTIVE

NOW, THEREFORE, THE KRAMER RESPONDENTS ARE HEREBY DIRECTED TO:

98. Arrange for the conduct of the remedial measures referenced above by paying to the Department \$6.65 million for the Department's estimated share of the remedial construction activities and arrange for the Department's estimated costs of administering future operations and maintenance as required by the Superfund State Contract for the Helen Kramer Landfill by paying to the Department an additional \$3.558 million, a total of \$10.203 million, by June 15, 1990. Payment shall be made by certified check payable to "Treasurer, State of New Jersey" and sent to:

Douglas E. Martin, Esquire
Frank X. Cardiello, Esquire
New Jersey Department of Environmental Protection
Division of Regulatory Affairs
CN 402
Trenton, New Jersey 08625

V. P.J.P. LANDFILL

A. THE SITE

99. The P.J.P. Landfill Remedial Investigation/Feasibility Study (RI/FS) Site is located at and around 400 Sip Avenue, Jersey City, Hudson County, New Jersey, occupying parts of Block 1627.1, Lots 1H, 2A, 3B, 4B, 5A and 6A; Block 1627.2, Lots 1P and 1T; Block 1639.1, Lots 2A, 3, 4C, 5C and 7D and Block 1639.2, Lots 1C, 5C, 7 and 7E on the Tax Map of Jersey City, dated October 3, 1977. The P.J.P. Landfill (hereinafter "the Landfill") was also known as "400 Sip Avenue," "Tooley's Truck Stop", "Sip Avenue Dump," "Brother's Dump," and "Cappola's Dump."

B. SITE HISTORY

100. On January 18, 1971, the Department issued to P.J.P. Landfill Company, a Certificate of Registration of Solid Waste Disposal and/or Processing Facility on "Lot No.(s) 1A, 2, 5B, 6B, 6A, 1P, Block No.(s) 1639A; 1627 in the Municipality of Jersey City."

101. A New Jersey State Department of Health (hereinafter "DOH") inspection report dated February 8, 1971, indicated that Phillip Moscato was participating in the operation of the Landfill.

102. An April 1, 1971, DOH memorandum identified Paul Cappola as an operator of the Landfill.

103. An August 2, 1971, DOH survey identified "Mr. Moscato" as an operator of the Landfill.

104. Numerous Department inspection reports during 1972 and 1973 revealed the presence of "chemical ponds" and lagoons of "wastewater," "wash water," "water waste" and "liquid waste" at varying locations on the Landfill.

105. An April 16, 1973 Department inspection report sketch map indicated that an "oily substance" was leaching into the Sip Avenue Ditch from the banks on the southerly side of the ditch.

C. RESPONDENTS

1. JONAS GENERATORS

106. Marvin Jonas of Sewell, New Jersey is an individual and officer of Marvin Jonas, Inc. and a proprietor of Jonas Steel Drum and Jonas Waste Removal. Jonas and his companies were involved in the transportation and disposal of various wastes, including hazardous substances at P.J.P. Landfill.

107. During 1972 and 1973 the following respondents generated hazardous substances some of which were disposed of at P.J.P. Landfill by Marvin Jonas.³¹

A & B Drum Company, Inc.
A.B.M. Disposal Service
Air Products & Chemicals, Inc.
Albanil Dye & Chemical, Inc.
Allied Kid Co.
American Bag & Paper Co.
American Can Co.
American Cooperage Co.
American Cyanamid Co.
American Lacquer Solvent Co.
Anaconda Wire & Cable Co.
Ashland Oil Inc.
Asphalt Sales, Inc.
Beck Engraving Co., Inc.
Bessemer Processing Co., Inc.
Central Jersey Disposal Service Co.
Central Steel Drum Co.
Chemical Control Corp.
Chemical Leaman Tank Lines, Inc.
Chemquid Disposal
Chester Packing Company, Inc.
Chicago Bridge & Iron
Coastal Services, Inc.
Continental Can Co., Inc.
Corco, Inc.
Crown Cork & Seal Co., Inc.
Dairy Pak

³¹ See the Jonas ledger cards, indicating that these companies used Jonas for waste disposal during 1972 and 1973.

See also the Application for Certification to Collect or Haul Solid Waste dated May 21, 1973, and filed by Marvin Jonas Inc., indicating that Jonas was using six disposal sites for waste disposal during that time period, including PJP Landfill. Waste, generated by Jonas customers during this time frame, was being disposed of at PJP and other sites, with the exception of waste generated by customers located in the New Jersey municipalities of Carlstadt, Clayton, Edison, Hanover, Kearny, Linden, Mountainview and East Rutherford.

Daubert Industries, Inc.
DeSandro, Inc.
Desoto, Inc.
Devoe Realty Co.
Dewey Almy Division of W.R. Grace & Co.
E.I. Dupont De Nemours & Co., Inc.
ESB, Corp.
H.G. Enderlein, Co.
Engineering Services
Erie Trading Co.
Exide, Inc.
F.L.S. Inc.
Federal Alloys
Ford Industrial Services Inc.
Tony Gaess Service Co.
General Cooperage Co.
General Marine Transport Corp.
General Metalcraft, Inc.
General Printing Ink Division of Sequa Corp.
Gilbert-Spruance Co., Inc.
Gimbels Brothers, Inc.
Glidden Durkee Division of SCM Corp.
Gold Cooperage, Inc.
Hatco Chemical Co.
E.H. Hausermann Co.
Fred Heinzelman & Sons, Inc.
Hughes Bros. Co.
Hulbert Oil Co.
I.C.I. Americas, Inc.
Importios Disposal
Industrial Processing Systems
KTK Corp.
Kleer Kast Division of PMC, Inc.
Liberty Smelting
Linwood Container Corp.
Magid Co.
Mannington Mills. Inc.
Marmac Industries, Inc.
McCorquodale Color Card, Division of McCorquodale Process, Inc.
A.C. Mengles Paint Industries, Inc.
Michaels Industrial Disposal Corp.
Mobile Dredging & Pumping Co.
Moore Products Co.
Mullen, George
NL Industries, Inc.
National Vulcanized Fiber Co.
National Can Company
National Lead Co.

National Rolling Mills Co.
National Steel Drum Co.
National Vacuum
New York Twist Drill Corp.
Nicolet Industries, Inc.
Oak Ridge Twist Drill
Olivetti Corp. of America
Orb Industries, Inc.
Pakwell Paper Co.
Paragon Paint & Oil Co.
Permalastic Products
Patco Metals
Philadelphia Steel Wire
Pioneer Salt & Chemical Co.
Polymer Industries, Inc.
Polyrez, Inc.
Pressco Supply Co.
Purex Corp.
Pyramid Chemical Imports
R.C.A. Corp.
Rambler Enterprises
Residex Corp.
Richardson Ink
Richardson Paints
Rohm & Haas Co.
Royal Tank Cleaning Co.
Schiavo Bros., Inc.
Scientific Chemical Corp., Inc.
Shell Oil Co.
The Sherwin-Williams Co., Inc.
Sperry Corp.
Jacob Stern & Son
W.N. Stevenson, Co.
Sumco, Inc.
Tanatex Chemical Co.
Thiokol Chemical Co.
Triangle Publications, Inc.
Union Amsco
Union Steel Corp.
United Steel Barrel Co.
Vergano Corp.
Wastco, Inc.
Worthington Biochemical Corp.

2. OTHER GENERATORS AND HAULERS

108. A.C. Berwick transported and disposed of hazardous substances at P.J.P. Landfill.³²

109. Angus Tank Cleaning Corp. disposed of hazardous substances at P.J.P. Landfill.³³

110. BASF Corporation generated hazardous substances³⁴ which were disposed of at P.J.P. Landfill by Gaess Environmental Services Corp.³⁵

³² See SCA's response to the New Jersey Department of Environmental Protection P.J.P. Landfill Request for Information, dated September 27, 1988 (hereinafter "Department questionnaire"), indicating that A.C. Berwick transported tanker trucks of "washwater" and "wastewater", from a PSE&G facility in Newark, New Jersey and from a Boston Edison facility in Boston, Massachusetts, and disposed of these substances at P.J.P. Landfill. See also, SCA's response indicating that Gaess Environmental removed hazardous substances from an A.C. Berwick facility on December 11, 1971 and disposed of these substances at P.J.P. Landfill. See also fn. 63, 69, 82 and 88.

³³ See Angus Tank Cleaning Corp's Application for Certification to Collect or Haul Solid Waste, dated August 4, 1972 indicating the disposal of an estimated 10,000 gallons per week of waste oil, a hazardous substance, and liquid chemicals at P.J.P. Landfill and at another site. See also SCA's response to Department Questionnaire indicating that Angus Tank Cleaning "may have utilized (P.J.P. Landfill)."

³⁴ See the Registration Statement for a Solid/Liquid Waste Collector or Hauler, dated August 20, 1974 and filed by Gaess Environmental, indicating that the types of wastes hauled by Gaess Environmental were solely chemical waste and septic/sewer waste. See also the Application For Certification to Collect or Haul Solid Waste, dated January 15, 1973 and filed by Gaess Environmental Service Corp, t/a Buschbaum's Sanitation, indicating that the estimated weekly volume of waste being hauled by Gaess Environmental was 555,000 gallons, of which 450,000 gallons was waste oil and liquid chemicals and 105,000 gallons was septic/sewer waste. Upon information and belief, BASF and the other Gaess generators set forth herein, generated a chemical waste stream rather than a septic waste stream.

³⁵ These substances included "hard slops", which consisted of wood resins, gum resins and tall oil resins and "solvents", which included concentrations of ethyl alcohol, acetate, propyl acetate, methyl ethyl ketone, toluene and xylene. See BASF's response to Department questionnaire dated December 19, 1988 indicating that Gaess Environmental removed chemical wastes from the Inmont facility in Lodi, New Jersey for an unknown period during 1973. According to BASF, the waste pickups, by Gaess Environmental, occurred approximately once every three months at 40 to 50 drums per shipment. Also, see SCA's response to Department questionnaire indicating that "Gaess Environmental may have transported (Inmont) waste to P.J.P. Landfill for disposal." Additionally, see (Footnote continued on next page.)

111. Boston Edison Company generated hazardous substances which were disposed of at P.J.P. Landfill by A.C. Berwick.³⁶

112. Central Steel Drum Company generated hazardous substances which were disposed of at P.J.P. Landfill by R & R Sanitation.³⁷

(Footnote continued from previous page.)

Inmont's renewal Application for Certification to Collect or Haul Solid Waste, for its Newark facility dated June 12, 1972, indicating that all of its industrial waste, 53.5 cubic yards per week, was being disposed of at D & J Trucking in Newark, New Jersey. See D & J Trucking's renewal Application for Certification to Collect or Haul Solid Waste, dated June 6, 1972, which, although not mentioning Inmont, indicated that the only disposal site it was utilizing was P.J.P. Landfill.

³⁶ See SCA's response to Department questionnaire indicating that on March 9, 1972, A.C. Berwick transported three tanker trucks of "waste water" from Boston Edison's "New Boston Station facility" in Boston, Massachusetts, to P.J.P. Landfill. See also, Boston Edison's March 22, 1989 response to Directive and Notice to Insurers Number One, indicating that on March 9, 1972 Boston Edison engaged Dow Industrial to clean its No. 1 condenser and that Dow Industrial performed this service using a solution containing Hydrochloric Acid, a hazardous substance.

³⁷ See SCA's response to Department questionnaire indicating that R&R Sanitation removed two loads of waste from Central Steel Drum's facility on September 26, 1972, and disposed of these wastes at P.J.P. Landfill. Central Steel Drum was in the business of accepting waste drums for recycling, including drums containing hazardous substances. The wastes given to R&R Sanitation were the wastes generated in this drum recycling process.

113. Chemical Control Corporation disposed of hazardous substances at P.J.P. Landfill.³⁸

114. Chemquid Disposal, Inc. disposed of hazardous substances at P.J.P. Landfill.³⁹

115. Frank Cicalese of Port Reading, New Jersey, is an individual who was involved in the transportation and disposal of various wastes, including hazardous substances.

116. CPS Chemical Co. generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁴⁰

117. D & J Trucking and Waste Company, Inc. disposed of hazardous substances at P.J.P. Landfill.⁴¹

³⁸ An analysis of petty cash vouchers relating to Chemical Control (originally filed with the United States District Court, E.D.N.Y. in cases 72-B-584 and -585) reveals that Chemical Control was disposing of wastes at several landfills, including P.J.P. Landfill.

³⁹ See Chemquid's Application for Certification to Collect or Haul Solid Waste, dated June 9, 1972, indicating the disposal of hundreds of thousands of gallons per week of, among other things, waste oil and chemical wastes at several sites including P.J.P. Landfill.

⁴⁰ See SCA's response to Department questionnaire indicating that Gaess Environmental removed wastes from the CPS facility on December 17, 1971 and disposed of these substances at the P.J.P. Landfill. See also fn. 34 which sets forth the reason that the Department believes that these wastes were hazardous substances.

⁴¹ See D & J Trucking's Application for Certification to Collect or Haul Solid Waste, dated June 6, 1973, indicating that it was disposing of 100 cubic yards of industrial waste per week from Sherwin-Williams' Newark, New Jersey facility, at P.J.P. Landfill. In a 1976 Hazardous Waste Generator's Annual Report, Sherwin Williams classified the wastes given to D & J Trucking as "hazardous wastes" consisting of "filter and straining media, varnish, paint emulsion and sediment collected following the cleaning of tanks and processing equipment." By way of comparison, in 1976, Sherwin-Williams gave D & J Trucking over 7,000 55 gallon drums of this waste. See also, the Application for Certification to Collect or Haul Solid Waste, dated June 12, 1972, and filed by Inmont Corp., a "Manufacturer of paints and chemical coatings," indicating that industrial waste from its Newark facility was being transported to D & J Trucking for disposal.

118. Dow Industrial Services arranged for the transportation and disposal and/or generated hazardous substances which were disposed of at P.J.P. Landfill by A.C. Berwick.⁴²

119. Drew Chemical Company generated hazardous substances which were disposed of at P.J.P. Landfill by Moscatello Brothers.⁴³

120. E.I. Dupont generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁴⁴

⁴² See SCA's response to Department questionnaire indicating that on March 16, 1972, A.C. Berwick removed 5,400 gallons of "wash water" for Dow Industrial from the "Essex generating station" in Newark, New Jersey and disposed of these substances at P.J.P. Landfill. See also fn. 36. See SCA's response to Department questionnaire indicating the A.C. Berwick removed three loads of "waste water" on behalf of Dow Industrial from Boston Edison's facility in Boston, Massachusetts on March 9, 1972. Each load contained approximately 5,700 gallons and was disposed of at P.J.P. Landfill. See also fn. 61.

⁴³ See Drew Chemical's Response to Department questionnaire, indicating that 32 drums containing hazardous substances were transported from its Kearny facility by Moscatello Brothers in 1972. Also in 1972, Moscatello removed 234 drums, of unknown material from the Drew Kearny facility. See Moscatello Brothers 1972 Application for Certification to Collect or Haul Solid Waste indicating that it was disposing of all waste solely at P.J.P. Drew Chemical also indicated that 41 drums of unknown material and 30 drums of (chemical waste) may have been taken from the Drew facility (to) the P.J.P. Landfill" In 1971, a total of 474 drums of "unknown" material were transported from Drew by Moscatello Brothers. Moscatello Brothers was in the business of hauling and disposing of hazardous substances.

⁴⁴ See Dupont's Eckhardt Survey report which indicates that Dupont's Fairfield, New Jersey plant used Criterion Co. to dispose of 100 tons of chemical waste resins, plasticizers, solvents and wastes with flash points of less than 100°F. Dupont's Fairfield plant also used Gaess Environmental for removal of approximately 100 tons of chemical waste. Although it was indicated by Dupont that the intended disposal site was Scientific Chemical Treatment Company, it is known that Gaess Environmental used P.J.P. Landfill and in fact disposed of at least one Dupont load at that site. See SCA's response to Department questionnaire, indicating that Gaess Environmental removed waste from Dupont's facility on December 20, 1971 and disposed of these substances at the P.J.P. Landfill. See also fn. 34 which sets forth the reasons that the Department believes that these wastes were hazardous substances.

121. Foglia Brothers, Inc. disposed of hazardous substances at P.J.P. Landfill.⁴⁵

122. Evelyn B. Frank, of New York, New York, is an individual who was an officer of Angus Tank Cleaning Corp. and was involved in the transportation and disposal of various wastes, including hazardous substances.

123. GAF Corporation generated hazardous substances which were disposed of at P.J.P. Landfill by Chemquid Disposal.⁴⁶

124. Anthony D. Gaess of Montvale, New Jersey, is an individual who was the president of Gaess Environmental Service Corp., Tony Gaess Service Corp., Buschbaum Sanitation Service and Criterion Tank Cleaning and Disposal, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

125. Gaess Environmental Services Corp. disposed of hazardous substances at P.J.P. Landfill.⁴⁷

⁴⁵ See Foglia Brother's Application for Certification to Collect or Haul Solid Waste, dated June 14, 1972 indicating the disposal of an estimated 3,350 gallons of liquid chemical waste per week at P.J.P. Landfill.

⁴⁶ See GAF's response to Department questionnaire, dated October 21, 1988, indicating that GAF's Linden, New Jersey facility used Chemquid Disposal, to transport "alkyl phenol bottoms" and "lagoon oil" on 26 occasions in 1972 and two occasions in 1973. Chemquid's Application for Certification to Collect or Haul Solid Waste dated June 9, 1972, indicates that Chemquid was disposing of liquid chemical wastes, and/or waste oil from Linden facilities at several sites including P.J.P. Landfill.

⁴⁷ See SCA's response to Department questionnaire indicating that Gaess Environmental disposed of numerous loads at the P.J.P. Landfill. See also the Registration Statement filed by Gaess Environmental for the period July 1, 1973 to June 30, 1974, revealing that Gaess hauled solely chemical waste and septic/sewer waste. Upon information and belief, the entities that Gaess Environmental hauled from to P.J.P. generated a chemical waste stream containing hazardous substances, rather than septic wastes. (See, for instance, fn. 51, referring to the removal, between 1970 and 1974 by Gaess Environmental, of 11,000 tons of process wastes including halogenated aliphates and aromatics, solvents, pharmaceutical wastes and wastes with flash points less 100°F.).

126. Industrial Refuse Removal Service disposed of hazardous substances at P.J.P. Landfill.⁴⁸

127. Daniel F. ("Danny") Jackson of Milltown, New Jersey, is an individual who was an officer of Chemquid Disposal, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

128. Andrew Kaskiw, of Carteret, New Jersey, is an individual who was an officer of Angus Tank Cleaning Corp. and was involved in the transportation and disposal of various wastes, including hazardous substances.

129. Kohl-Madden Printing Ink Corp. generated hazardous substances which were disposed of at P.J.P. landfill by Pinto.⁴⁹

130. Koppers generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁵⁰

⁴⁸ See Industrial Refuse Removal's Application for Certification to Collect or Haul Solid Waste, dated June 20, 1972, indicating disposal of approximately 200 cubic yards per week of commercial and industrial waste and waste oil and liquid chemicals at the P.J.P. Landfill.

⁴⁹ See Kohl-Madden's response to Department questionnaire dated October 21, 1988 indicating that Kohl-Madden's waste streams, which included chemical and ink wastes, were removed by Pinto. See Pinto's Application for Certification to Collect or Haul Solid Waste dated June 6, 1972, indicating that an estimated 99 cubic yards per week of liquid chemical waste were disposed of at two sites, including P.J.P. Landfill.

⁵⁰ See Kopper's response to Department questionnaire. Koppers hired Tony Gaess Service Corp. and Gaess Environmental to transport and dispose of hazardous substances from its Kearny, New Jersey facility. Koppers indicated that Gaess Environmental removed and disposed of approximately 1,090,500 gallons of waste in 1972, 1,759,000 gallons of waste in 1973 and 1,531,000 gallons of waste in 1974. Koppers' later invoices indicate that Gaess Environmental was removing "process waste water with trace organics" from the Kearny facility. See SCA's response to Department questionnaire indicating that Anthony Gaess "may have transported (Koppers, Inc.) waste to P.J.P. Landfill for disposal." See also fn. 34.

131. Lederle Labs generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁵¹

132. Metem Corp. generated hazardous substances which were disposed of at P.J.P. Landfill by R & R Sanitation.⁵²

133. Moscatello Brothers, Inc. disposed of hazardous substances at P.J.P. Landfill.⁵³

134. Salvatore Moscatello of Jersey City, New Jersey, is an individual who was an officer of Moscatello Brothers, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

⁵¹ See SCA's response to Department questionnaire indicating that Tony Gaess Service Corp. removed waste from Lederle Lab's facility on approximately 12 occasions in December, 1971 and disposed of these substances at P.J.P. Landfill. Also see American Cyanamid's Eckhardt Survey response for its Lederle Laboratories Division, Pearl River Plant, Pearl River, New York, indicating that Gaess Environmental removed 11,000 tons of process waste from the facility between 1970 and 1974. This waste included halogenated aliphates and aromatics, solvents, pharmaceutical wastes and wastes with flash points of less than 100°F. Additionally, American Cyanamid's Bound Brook, New Jersey facility used Buschbaum Sanitary Service (a Gaess Company) for disposal of 20,000 tons of process waste of unknown components between 1969 and 1973. The Eckhardt reports do not indicate the disposal sites for these wastes.

⁵² See Metem's response to Department questionnaire indicating that during the period 1965 to 1980, Metem generated waste water containing 13% to 17% sulphuric acid, water-base sodium chloride salt solutions and hydrocarbon light viscosity oils and that these wastes were transported from Metem's Parsippany, New Jersey, facility by Carl Gulick, Inc. and R & R Environmental Services. See also SCA's response to Department questionnaire, indicating that R & R Sanitation removed two loads of waste from Metem's facility in July and December 1972, and disposed of these wastes at P.J.P. Landfill.

⁵³ See Moscatello Brothers' Application for Certification to Collect or Haul Solid Waste, dated June 5, 1972, in which Moscatello Brothers estimated that it was disposing of 200 gallons of "liquid chemical waste" per week at P.J.P.. This document also indicated that all wastes hauled by Moscatello Brothers were being disposed of at P.J.P.. See also, Drew Chemical's October 21, 1988 response to Department questionnaire.

135. William Moscatello of Rumson, New Jersey, is an individual who was an officer of Moscatello Brothers, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

136. Occidental Chemical Corporation, through its predecessor Diamond Shamrock Corporation, generated hazardous substances which were disposed of at P.J.P. Landfill by Foglia Brothers, Inc.⁵⁴

137. Penn Walt Co. generated hazardous substances which were disposed of at P.J.P. Landfill by A.C. Berwick.⁵⁵

138. Pfizer Inc. generated hazardous substances which were disposed of at P.J.P. Landfill by Chemquid Disposal.⁵⁶

139. Gloria Pinto of Lodi, New Jersey, is an individual who was an officer of Pinto Service, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

140. Joseph Pinto of Lodi, New Jersey, is an individual who was an officer of Pinto Service, Inc. and was involved in the transportation and disposal of various wastes, including hazardous substances.

⁵⁴ See the February 20, 1990 statement of Frank Foglia III, wherein he states that he transported drums of waste lubricants from Diamond Shamrock's Nopco Division facility, in Harrison, New Jersey to P.J.P. Landfill during approximately 1969 to 1973.

⁵⁵ See SCA's response to Department questionnaire indicating that A.C. Berwick transported "waste lime water," generated by Penn Walt Co., to P.J.P. Landfill for disposal on September 22, 1982.

⁵⁶ See Pfizer's Eckhardt Survey report, indicating that Pfizer hired Chemquid Disposal to haul approximately 1,500,000 gallons of waste oil and liquid chemicals from their Parsippany Plant between 1970 and 1972. See also Chemquid's Application for Certification to Collect or Haul Solid Wastes, dated June 9, 1972, indicating that Chemquid was removing 36,000 gallons a week of septic waste and liquid chemical waste and/or waste oil from Parsippany facilities and disposing of these wastes at sea and at two other sites, including P.J.P. Landfill.

141. Pinto Service, Inc. disposed of hazardous substances at the P.J.P. Landfill.⁵⁷

142. PSE&G generated hazardous substances which were disposed of at P.J.P. Landfill by A.C. Berwick.⁵⁸

143. R & R Sanitation Service, Inc. disposed of hazardous substances at P.J.P. Landfill.⁵⁹

144. Rexart Chemical Co. generated hazardous substances which were disposed of at P.J.P. Landfill.⁶⁰

145. Rollins Environmental Services, Inc. generated hazardous substances which were disposed of at P.J.P. Landfill by A.C. Berwick.⁶¹

⁵⁷ See Pinto's Application for Certification to Collect or Haul Solid Waste, dated June 6, 1972, indicating that an estimated 99 cubic yards per week of liquid chemical waste was disposed of at two sites, including P.J.P. Landfill.

⁵⁸ See SCA's response to Department questionnaire indicating that on March 16, 1972, A.C. Berwick removed 5,400 gallons of "wash water" from Essex Generating Station. Upon information and belief, it is alleged that the facility mentioned above was PSE&G's Essex Generating Station and that the waste generated was similar to the waste generated during the cleaning process performed by Dow Industrial for Boston Edison. See fn. 36.

⁵⁹ See SCA's response to Department questionnaire indicating that R&R Sanitation disposed of numerous truck loads of waste at P.J.P. Landfill.

⁶⁰ See Rexart's response to Department questionnaire indicating that Rexart generated an ink waste stream and used "Scerbo" for removal of this waste stream since 1972. See also Scerbo's Hauler Application, indicating that industrial wastes collected by Scerbo during this time period, were disposed of at P.J.P. Landfill and two other sites.

⁶¹ See Pennwalt Co.'s May 31, 1989 response to Department's supplemental questionnaire indicating that during 1972, Pennwalt Co. contracted with Rollins-Purle, Inc., now known as Rollins Environmental, for removal of 656,100 gallons of waste substances from its Thorofare, New Jersey plant. Rollins Environmental sub-contracted this waste removal to Gaess Environmental Service. See also SCA's response to Department questionnaire indicating that A.C. Berwick was apparently hired by Gaess Environmental to remove three loads of "waste lime water" from Pennwalt Co.'s Thorofare facility on September 22, 1972 and dispose of this waste at P.J.P. Landfill.

146. Rose Ribbon and Carbon Manufacturing Co. generated hazardous substances which were disposed at P.J.P. Landfill by Foglia Brothers, Inc.⁶²

147. S.B. Thomas, Inc. generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁶³

148. Frank Scerbo of Jersey City, New Jersey, is an individual who was a general partner of F & S Scerbo Co. and was involved in the transportation and disposal of various wastes, including hazardous substances.

149. Sam Scerbo of Jersey City, New Jersey, is an individual who was a general partner of F & S Scerbo Co. and was involved in the transportation and disposal of various wastes, including hazardous substances.

150. F & S Scerbo Company disposed of hazardous substances at P.J.P. Landfill.⁶⁴

⁶² See the February 20, 1990 statement of Frank Foglia III wherein he states that he transported drums of ink waste from Rose Ribbon and Carbon Company's Harrison, New Jersey facility and disposed of these substances at P.J.P. Landfill during approximately 1969 to 1973.

⁶³ See SCA's response to Department questionnaire indicating that Gaess Environmental removed wastes from a S.B. Thomas facility on five occasions during December 1971 and disposed of these substances at P.J.P. Landfill. See also fn. 34 which sets forth the reason that the Department believes that these wastes were hazardous substances.

⁶⁴ See Scerbo's Application for Certification to Collect or Haul Solid Waste, indicating disposal of approximately 1,500 cubic yards of "waste code 3" (industrial waste) per week at P.J.P. Landfill and two other sites. See also fn. 60 which indicates that these wastes included ink waste, a hazardous substance.

151. Sherwin-Williams Company, Inc. generated hazardous substances which were disposed of at P.J.P. Landfill by Jonas, Inc., Jonas Steel Drum, Daniel Jackson and/or Chemquid, R & R Sanitation and D & J Trucking.⁶⁵

152. Squibb Corporation generated hazardous substances which were disposed of at P.J.P. Landfill by Gaess Environmental.⁶⁶

153. Tenneco Polymers, Inc., through its predecessor corporation Tenneco Chemicals, Inc. generated hazardous substances which were disposed of at P.J.P. Landfill by Criterion Tank Cleaning and Disposal, Inc.⁶⁷

⁶⁵ See Marvin Jonas' Application for Certification to Collect or Haul Solid Waste, dated May 21, 1973, indicating that waste from Gibbsboro, New Jersey was disposed of at several sites, including P.J.P. Landfill. Upon information and belief, Sherwin-Williams was the only Jonas generator in Gibbsboro during the relevant time period. See Marvin Jonas' deposition of April 14 and April 15, 1986, indicating that Jonas was disposing of waste paint from the Sherwin-Williams Gibbsboro, New Jersey facility. See also, SCA's response to Department questionnaire indicating that R & R Sanitation removed waste from a Sherwin-Williams facility in September, 1972 and disposed of these substances at P.J.P. Landfill. See also fn. 41 setting forth the facts upon which the Department bases its belief that D & J Trucking disposed of large quantities of Sherwin-Williams' hazardous substances at P.J.P. Landfill.

⁶⁶ See SCA's response to Department questionnaire indicating that Gaess Environmental removed wastes from a Squibb facility on two occasions in December 1971 and disposed of these substances at the P.J.P. Landfill. See also fn. 34 which sets forth the reasons that the Department believes that these wastes were hazardous substances.

⁶⁷ See SCA's response to Department questionnaire indicating that in June, 1972, "effluent" from Tenneco's Paterson Plant was removed by Criterion Tank Cleaning and Disposal Inc. (a Gaess Environmental trade name) and disposed of at P.J.P. Landfill. See also fn. 34 which sets forth the reasons that the Department believes that these wastes were hazardous substances.

3. OWNERS AND OPERATORS

154. Paul Cappola, Phillip Moscato, and the P.J.P. Landfill Company and its successor, P.J.P. Landfill, Inc., accepted hazardous substances for disposal at P.J.P. Landfill.⁶⁸

155. Hartz Mountain Industries, Inc. (hereinafter "Hartz Mountain") of Secaucus, New Jersey, is a corporation that produced various products and generated various wastes, including hazardous substances. Hartz Mountain at all times relevant hereto owned that portion of the P.J.P. Landfill known as Block 1627.2, Lot 1T on the Jersey City, New Jersey tax map, dated October 3, 1977.

156. Rentar Industries Realty Corp. (hereinafter "Rentar") of Burbank, Illinois, at all times relevant hereto owned that portion of the P.J.P. Landfill known as Block 1639.1, Lot 7D and Block 1639.2, Lot 7E on the Jersey City, New Jersey tax map dated October 3, 1977.

157. The Roman Catholic Archdiocese of Newark (hereinafter "the Archdiocese") of Newark, New Jersey, at all times relevant hereto owned that portion of the P.J.P. Landfill known as Block 1639.1, Lot 5C and Block 1639.2, Lot 5C, on the Jersey City, New Jersey tax map, dated October 3, 1977.

158. Edwin Siegel of Clifton, New Jersey, is an individual who at all times relevant hereto owned that portion of P.J.P. Landfill known as Block 1627.1, Lots 2A, 3B, 4B, 5A and 6A, Block 1627.2, Lot 1P; Block 1639.1, Lots 2A, 3 and 4C and Block 1639.2, Lots 1C and 7, on the Tax Map of Jersey City, New Jersey, dated October 3, 1977.

159. Tooley's Truck Stop, Inc. allowed the P.J.P. Landfill Company to operate the Landfill from its premises.⁶⁹ Additionally, Tooley's Truck

⁶⁸ The P.J.P. Landfill Co. submitted an Application for Certification to Conduct a Refuse Disposal Operation, dated 8/10/70, to the Department. This document indicated that P.J.P. Landfill Co. was applying to operate a sanitary landfill on "Blocks 1639A; 1627; Lots 1A, 1B, 2, 5B, 6B, 6A, 1P," in Jersey City, New Jersey. The application indicated that the type of refuse to be accepted for disposal included "Chemicals (Liquid or Solid)" and "Waste Oil." See generally the allegations set forth herein.

⁶⁹ See the initial Application for Certification to Conduct a Refuse Disposal Operation, dated August 10, 1970 and signed by Phillip Moscato on behalf of P.J.P. Landfill Co., indicating that the owner "of property where operation is conducted" was "Tooley's Truck Stop, 400 Sip Avenue. JCNJ."

Stop permitted a portion of its property to be used for landfilling as part of the P.J.P. Landfill.⁷⁰

D. ADJACENT GEOGRAPHY

160. P.J.P. Landfill is bordered on the west by the Hackensack River and on the east by truck routes #1 and #9. The Pulaski Skyway, an elevated highway, passes over the Landfill. There is a junk yard and a truck terminal on the eastern portion of the Landfill, along truck routes #1 and #9 and a bus and recreational vehicle junk yard on the western portion of the Landfill along the Hackensack River. A Hartz Mountain warehouse is located on an uncapped portion of the Landfill.

161. P.J.P. Landfill is situated on a marsh which is part of the Hackensack River bank. A drainage ditch (referred to as the "Sip Avenue Ditch") runs east to west through the Landfill from truck routes #1 and #9 to the Hackensack River.

E. GROUND AND SURFACE WATER CONTAMINATION

162. Leachate from the Landfill has been observed entering the drainage ditch and the Hackensack River.

163. Analyses performed by the Department of monitoring well samples, soil borings and surface water and leachate samples at and around the P.J.P. Landfill reveal that hazardous substances have been and are continuing to be discharged from the Landfill and are contaminating the ground and surface waters.

164. Hazardous substances are migrating from the P.J.P. Landfill into the Sip Avenue Ditch, which discharges into the Hackensack River.

F. PRIOR INTERIM REMEDIAL MEASURES

165. For a number of years, 40 to 50 acres of the approximately 87 acre site had been experiencing underground fires. The Department commenced Interim Remedial Measures at the Landfill during July, 1985. By April, 1986, approximately 1,026,886 cubic yards of landfill were excavated, doused and recompacted. Additionally, 4770 drums of hazardous materials were removed and disposed of in addition to 4,559 cubic yards of

⁷⁰ See various aerial photographs taken between 1969 and 1975. See also, Department inspection reports from 1971 to 1977.

contaminated soil. Material removed from the Landfill consisted of drums, gas cylinders and contaminated soil sludges.

166. At the completion of grading and compaction operations, a portion of the P.J.P. Landfill was covered with clay and topsoil, graded and seeded.

167. To date, at least \$22,902,112.00 has been spent by the State of New Jersey for interim remedial and other measures.

G. ENFORCEMENT HISTORY

168. On February 17, 1989, the Department issued Directive and Notice to Insurers Number One, directing respondents named in that Directive to pay \$1,867,016.90 for the costs of the RI/FS and for the Department's estimated costs of administrative oversight.

169. As of September 1, 1989, a total of \$315,116.00 had been paid by several Respondents named in Directive and Notice to Insurers Number One, toward the satisfaction of that Directive.

170. On August 22, 1989, the Department issued Directive and Notice to Insurers Number Two, directing respondents named therein to pay to the Department \$150,000.00 for the estimated costs of Operation and Maintenance services on the P.J.P. Landfill and for the Department's estimated costs of administrative oversight.

171. As of March 1, 1990 \$200.00 has been paid toward the satisfaction of the Directive and Notice to Insurers Number Two.

H. LIABILITY

172. The hazardous substances referred to above were and are continuing to discharge into the waters and/or onto the lands of the State of New Jersey in violation of Section 4 of the Spill Compensation and Control Act, N.J.S.A. 58:10-12.11c.

173. The Department believes that the parties identified in Section V., C. above (hereinafter "P.J.P. Respondents") are responsible for discharges of hazardous substances at, and emanating from the P.J.P. Landfill.

174. Pursuant to N.J.S.A. 58:10-23.11g(c), the P.J.P. Respondents are strictly liable, jointly and severally, without regard to fault, for all costs of the cleanup and removal of the hazardous substances discharged at, and emanating from the P.J.P. Landfill.

175. Pursuant to N.J.S.A. 58:10-23b(d), "Cleanup and removal costs" means all costs associated with a discharge, incurred by the State.

176. In order to determine the nature and extent of the problem presented by the discharge of the hazardous substances at and around the Landfill and to develop environmentally sound remedial actions, it is necessary to conduct an RI/FS of the Landfill and effected areas.

177. On August 7, 1988, after public bidding, the Department awarded a contract to perform the RI/FS to the firm of the ICF Technology in the amount of \$1,623,493.19. (A copy of the contract and attachments to the contract and all other documents referred to herein can be reviewed during business hours at the Division of Regulatory Affairs, 7th Floor West, 401 East State Street, Trenton, New Jersey 08625 by contacting Frank X. Cardiello, Esquire at (609) 292-2906).

178. In order to maintain the integrity of the capped portion of the Landfill and to insure the continued efficacy of the cap, it is necessary to engage in an operation and maintenance program (hereafter "O and M") for the Landfill. As set forth in the Invitation to Bid for Operation and Maintenance Service at the P.J.P. Landfill Site, the scope of work for the O & M tasks, which cover a one year period, include:

- . Grass Mowing
- . Erosion Repair
- . Fertilizing and Reseeding
- . Security (Fencing and Gate)
- . Gravel/Filter Fabric Installation

179. On December 19, 1990 Purchase Order R29612 was issued by the Department, authorizing payment of \$108,325.00 to Clean Venture for O & M Services at P.J.P. Landfill.

DIRECTIVE

NOW THEREFORE, THE P.J.P. RESPONDENTS ARE HEREBY DIRECTED TO:

180. Arrange for the conduct of the RI/FS by paying to the Department, the balance of costs associated with the RI/FS, namely \$1,349,218.11 for the costs of the RI/FS and \$202,682.45 for the Department's estimated costs of administrative oversight, and arrange for the conduct of Operation and Maintenance services upon P.J.P. Landfill, by paying to the Department \$118,325.00 for the costs of O and M and for the Department's estimated costs of administrative oversight, a total of \$1,670,225.56. Payment shall be made by certified or cashiers check, on or before June 15, 1990, payable to "Treasurer, State of New Jersey" and sent to:

Douglas E. Martin, Esquire
Frank X. Cardiello, Esquire
State of New Jersey
Department of Environmental Protection
Division of Regulatory Affairs
Cost Recovery Element
CN 402
Trenton, New Jersey 08625

VI. NOTICE

181. Should Respondents named in this Multi-site Directive, fail to make the payments or perform the tasks set forth in Sections II. through V. above, the Department may commence suit against the Respondents seeking reimbursement for all costs incurred. Further, failure to comply with this DIRECTIVE will increase Respondents' potential liability to the Department to an amount equal to three times the above specified cost of conducting the tasks set forth in Sections II. through V., and will allow the Department to place a lien on Respondents' real and personal property pursuant to Section 7 of the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11f, including a first priority lien on the property subject to the cleanup and removal.

VII. RESERVATION OF RIGHTS

182. In the event that the cleanup and removal costs exceed the amount specified in Sections II. through V., the Department reserves the right to direct the Respondents to pay such costs and seek reimbursement and treble damages for all such additional costs. Further, the Department reserves the right to require Respondents to take or arrange for the taking of any and all additional remedial actions which the Department determines to be necessary to protect public health and safety of the environment, and to seek full reimbursement and treble damages for all costs incurred in taking such additional remedial actions if the Respondents fail to comply with such Directive.

183. The Department reserves all rights and remedies under the Spill Compensation and Control Act and all other rights and remedies not specifically set forth herein.

VIII. NOTICE TO INSURERS

184. Pursuant to N.J.S.A. 58:10-23.11s, any claims for costs of cleanup or damages by the State may be brought directly against the bond, insurer or any other person providing evidence of financial responsibility. The Department believes that the insurers listed below have provided liability coverage to one or more of the Respondents listed in this Directive. In order to assist the insurers, to the extent that it has the information, the Department has listed the names of the insured as well as policy numbers and periods of coverage. All insurers should, however, conduct a search of their own records to correctly ascertain for which of the Respondents they may owe a duty to defend or indemnification to, as the information set forth below is known to be incomplete.

185. The insurers and/or their agents indicated below ARE HEREBY PUT ON NOTICE that claims for the costs and/or damages as set forth herein or following from the facts set forth in this Directive may be directly asserted against the applicable insurers should they fail to indemnify their insured Respondents and should the Respondents fail to fully satisfy this Directive. Set forth below is a list of insurers, insureds, dates and policies, based on information known to the Department. The following list is provided for informational purposes only and each insurer/broker listed herein is instructed to check their own records to determine whether or not they provided any applicable insurance coverage, including

loading/unloading coverage for the vehicles from which the hazardous substances were transported for disposal, to any of the Respondents in addition to that set forth herein.

CARRIER	INSURED	YEAR	POLICY#
Aetna	Edwin L. Siegel Tooley's Enterprises	1982 - 1983	CPP-45-46-27
Aetna Casualty and Surety Insurance Co.	Marvin Jonas Steel Drum	1978 - 1979	26 CA33584 CAA 26 CA34334 CAA 26CA 34354 CAA 26CA 34353
Aetna Casualty & Insurance Co.	Schiavo Corporation	1969 - 1980	
Aetna Commercial Insurance Co.	Morton Thiokol		
Aetna C & S	Amadei	1974 - 1975	26AL801168
Aetna C & S	Marvin Jonas Steel Drum		26 CA 33584 CAA
		1978 - 1979	26CA 34334 CAA 26CA 34353 26CA 34354 CAA
Aetna Insurance Co.	Marvin Jonas Steel Drum	1979 - 1980	183-156842
Allstate Insurance Co.	DeSoto, Inc.	1972 - 1980	05007480 GA
Allstate Insurance Co.	Marvin Jonas Steel Drum	1973 - 1974	9699 7826A
Allstate Insurance Co.	Triangle Publications, Inc.	1970 - 1980	CCP 5007603
American Casualty	Rentar Industries Realty Company	1971 - 1973	5603770
American Insurance Co.	Metem Corp.	1979 - 1981	XBL 145540
American Mutual Liability Ins. Co.	Marvin Jonas Steel Drum		
	SCA Services, Inc.	1974 - 1975	BLPL 636465-02-4-A

	SCA Services, Inc.	1973 - 1974	BLPL 636465-02-3-A
	SCA Services, Inc.	1974 - 1975	BLPL 636465-02-4-A
	SCA Services, Inc.	1973 - 1974	BLPL 636465-02-3-A
	SCA Services, Inc.	1972 - 1973	BLPL 636465-02-2-A
American Policyholders Ins. Co.	SCA Services, Inc.	1972 - 1973	GLA 103548-02-2
	SCA Services, Inc.	1971 - 1972	GLA 15294
	SCA Services, Inc.	1970 - 1971	GLA 12215
Atlantic Employers Insurance Co.	Edwin Siegel Tooley's Enterprises	1983 - 1984 1984 - 1985	OBPDO 7891064 XIL663899
Bankers & Shippers Insurance Company	Rentar Industries Realty Company	1973 - 1975	102554
Bellafonte	Chemical Control Corp.	1977 - 1978	CAG 205609
	Thiokol Chemical	1977 - 1978	CAG 205609
Boston Old Colony Ins. Co.		1975 - 1978	LX267491
CNA		1969	CCP 505 25
Fireman's Fund	Almo	1972 - 1976	
	Archdiocese of Newark	1983 - 1984 1984 - 1985 1985 - 1986	XLX 139-53-99 XLX 139-52-78
	Cenco	1972 - 1976	
	Rentar Industries	1982 - 1985	XLX1394818
	Rentar Industries Realty Company	1982 - 1983	XLX1395310
	Marvin Jonas Steel Drum	1976 - 1977	XLB1344986

California Union Ins. Co.	Archdiocese of Newark	1977 - 1978	ZCX001750
Canadian Universal Insurance Co., Limited	Marvin Jonas	1980 - 1981	NGA
	d/b/a Marvin Jonas	1981 - 1982	59371RC#1 NGA 68174
	Inc., Jonas Waste Removal and/or Jonas Steel Drum	1982 - 1983	C5GL 79065
	Marvin Jonas Steel Drum	1979 - 1980	NGA 59371
		1980 - 1981	NGA 59371 RCI
		1981 - 1982	68174
Carriers Ins. Co.	Rentar Industries Realty Company	1975 - 1979	EX 7177
	Rentar Industries Realty Company	1979 - 1983	EX 7177
	Rentar Industries		
Centaur Ins. Co.	Realty Company	1981 - 1982	100266
Centennial Ins. Co.	Archdiocese of Newark	1977 - 1978	291-68-75-34
		1978 - 1979	291-68-75-34
		1979 - 1980	291-68-75-34
		1980 - 1981	291-696525
		1981 - 1982	291-696525
		1982 - 1983	291-69625
		1983 - 1984	291-71-38-92
		1985 - 1985	291-71-38-92
1984 - 1986	291-71-38-92		
Chubb & Son, Inc. (Federal Ins. Co.)	Tooley's Truck Stop, Inc.	1968 - 1971	FEP77381375
	P.J.P. Landfill Co. Inc.	1971 - 1974	EP77658690
		1974 - 1977	EP77845187
		1977 - 1980	EP7124-75-40
		1980 - 1983	EP7124-75-40
City Insurance Co.	Western Electric Co.	1977 - 1978	HEC9655400
CNA	Tooley's Truck Stop Edwin Siegel Tooley's Enterprises		PX406918502
	Tenneco, Inc.	1968 - 1971	
Colonial Penn Plaza	Archdiocese of Newark	1985 - 1986	XL-150013
		1986 - 1987	XL-150071

Columbia Casualty	Rentar Industries Realty Company	1977 - 1978	RDX3652460
Commercial Union	NL Industries, Inc.	1968 - 1969 1970 - 1971 1971 - 1974 1974 - 1977 1977 - 1978	CLE169004622 CLEY9004663 CLEY9004723 CLEY9004853 CLEY9004962
Companies' Combined Policy Ins. Co.	SCA Services, Inc.	1975 - 1978	02968400
Continental Insurance Co.		1975 - 1976	L 35 26 704
Continental Insurance Co.	SCM	1979 - 1982	CCP004725176
Continental Ins. Co.	Archdiocese of Newark	1970 - 1973	FDP-5754425
Continental Insurance Co.	Chemlime (Almo)	1978 - 1980	
Continental Insurance Co.	East Coast Pollution	1975 - 1976	L-3526869
		1977 - 1978	L-1190840
		1978 - 1979	L-1563478
		1979 - 1980	L-1615621
	SCA Services, Inc.	1975 - 1976	L3566269 & L3615937
	SCA Services, Inc.	1970 - 1973	LX 1216193
	Marvin Jonas Steel Drum	1975 - 1976	L35 26704
Continental Insurance Co.	d/b/a Marvin Jonas, Inc., Jonas Waste Removal and/or Jonas Steel Drum	1977 - 1978	L1 19 05 09
Continental Insurance Co.	Matlack, Inc.	1979 - 1980	SRL 3635842
Continental Insurance Co.	W.R. Grace & Co.		
Electric Mutual Liability Insurance Co.	General Electric Company		

Employers Commercial Union Ins. Co.	Archdiocese of Newark	1970 - 1973	E-J-9061-001
Evanston Insurance Co.		1983 - 1984	IE 100206
Evanston Insurance Co.	NL Industries, Inc.	1983 - 1984	E 1100173
		1983 - 1985	E 1100173
Farmers Reliance	Edwin Siegel Tooley's Enterprise	1982 - 1984	CU294833 PU2905244
Federal Insurance Co.		1975 - 1980	693 6989
Federal Insurance Co.	Staley Chemical Co.	1977 - 1978	7933 07 34
Fireman's Fund		1972 - 1976	
Fireman's Fund		1976 - 1977	XLB1233986
Fireman's Fund	Archdiocese of Newark	1983 - 1984 1984 - 1985 1985 - 1986	XLX1395399 XLX1395278
	Metem Corp.	1974 - 1976	LC 2391420
	Rentar Industries	1982 - 1985 1982 - 1983	XLX1394818 XLX1395310
Fireman's Fund (The American)	Tooley's Truck Stop Edwin Siegel Tooley's Enterprises Angus Tank Cleaning Corp.	1981 - 1982	XLB1470455 XLX1041690
First State		1978 - 1979	923494
First State Ins. Co.	Archdiocese of Newark	1977 - 1978	905-383
	Rentar Industries	1978 - 1979	915281 & 915306
General Accident	Edwin Siegel Tooley's Enterprises	1984 - 1987	SMP477725
Glens Falls Ins.	Rentar Industries Realty Company	1972 - 1975	XL5103251

Great Atlantic	Tooley's Truck Stop Edwin Siegel	1981 - 1982	SMP10461
Great Southwest	Tooley's Truck Stop	1974 - 1975 1975 - 1976	PF28440 PF15697
Greater N.Y. Mutual	Tooley's Truck Stop Edwin Siegel	1969 - 1977	19AC020246
		1976 - 1978	1703N07050
		1978 - 1979	1703N07473
		1979 - 1980	1703N08044
		1980 - 1981	1703N08481
H.S. Weavers		1982 - 1985	KY026882
		1985 - 1988	PY315185
Hartford Accident & Indemnity Co.		1970 - 1973	10CL753239
		1973 - 1976	10CL639824E
		n/a	10C659285
Hartford Accident & Indemnity Co.		1973 - 1976	18C841887
		1977 - 1978	10C665910
		1978 - 1979	10C6668513
		1979 - 1980	10C670858
		1980 - 1981	10C673783
Hartford Accident & Indemnity Co.	SCA Services, Inc.	1984 - 1985	10CLRC 30114E
	SCA Services, Inc.	1983 - 1984	10CLRC 30100E
	SCA Services, Inc.	1984 - 1985	10 CLRC 30114E
	SCA Services, Inc.	1983 - 1984	10 CLRC 30100E
Hartford Insurance Co.	Tooley's Truck Stop Edwin Siegel		13C721270
Home Insurance Co.		1970 - 1973	HEC9792993
		1973 - 1976	HEC4763665
		1976 - 1977	HEC9347165
Home Insurance Co.		1970 - 1973	HEC9792013

Home Insurance	Archdiocese of Newark	1970 - 1973	4347165
I.N.A.		1968 - 1971	SMT 10405
		1971 - 1973	SMT 10405
Insurance Company of North America		1971 - 1973	MO 1422
		?	XBC 67 20
Insurance Company of North America		1978 - 1979	SCG-1020
		1979 - 1980	SCG-1053 SCG-1053
		1980 - 1981	SCG-1186-5833 SCG1186
		1981 - 1982	SCG-G0002540-9 SCG-GO-002540-9
		1982 - 1983	SCG-GO-134131-5
		1983 - 1984	SCG-209747
		1984 - 1985	SCG-03130319
Insurance Company of North America	Daubert Industries	1957 - Present	
Insurance Company of North America			GLD 62 51 50
		1970 - 1971	GLP 25 92 12
		1972 - 1973	GLP 37 47 26
		1973 - 1974	GLP 41 49 02 SBC 1059 29
		1975 - 1976	GLD 62 51 50
		?	GLP 41 49 02 GLP 37 47 26 XBC 1059 29 GLA 42 935 79 GLD 62 51 50
Insurance Company of North America	Chemical Control	1973 - 1974	GLP 35 07 83

	SCA Services, Inc.	1974 - 1976	GLP 456963
Integrity Insurance Co.		1981 - 1982	ISX 102923
		1982 - 1982	ISX 107274
		1983 - 1984	ISX 110645
		1984 - 1985	ISX 113878
Interstate Fire & Casualty Co., Limited		1977 - 1978	3MM XS 22MM
Interstate Fire & Casualty Co., Limited		1979 - 1986	46363
		1980 - 1981	46 2363
		1981 - 1982	487991
Interstate Fire & Casualty Co., Limited		1980 - 1980	183-165371
		1980 - 1981	183-163148
Interstate Fire & Casualty Co., Limited	Archdiocese of Newark	1978 - 1979	183-152608
		1979 - 1985	183-152647
		1980 - 1981	183-52647-1
		1980 - 1982	183-152647-2
		1982 - 1984	83-0169759
		1984 - 1985	83-0169759-1
		1985 - 1986	83-0172429
Interstate Fire & Casualty Co., Limited	Marvin Jonas d/b/a Marvin Jonas Inc., Jonas Waste Removal and/or Jonas Steel Drum	1981 - 1982	183-166209
	Rentar Industries Realty Company	1977 - 1978	155U28509
	Rentar Industries Realty Company	1978 - 1980	915306
	Rentar Industries Realty Company	1979 - 1980	183163185
	Rentar Industries Realty Company	1980 - 1981	183165401

	Marvin Jonas	1980 - 1980	183-165371
	d/b/a Marvin Jonas, Inc.,	1980 - 1981	183-163148
	Jonas Waste Removal	1981 - 1982	183-166209
		1979 - 1986	46363
	and/or Jonas Steel Drum	1981 - 1982	487991
Investors Ins. Co.	Phillip Moscato	1970 - 1971	GL88041
	Paul Cappola	1971 - 1982	GL95046
	t/a P.J.P. Tooley's Truck Stop		
	P.J.P. Sanitary Landfill Company, Inc.		
Kemper Insurance Co. (American)		1970	02M578400A
		1970 - 1973	02M578400
		1973 - 1976	32M578400
Landmark Insurance Co.		1982 - 1983	GLA 5000746
Lexington Insurance Co.		1985 - 1986	CN-555 9438
Lexington Insurance Co.		1979 - 1980	5512952
Lexington Insurance Co.	Staley Chemical Co.	1980 - 1981	5521025
Lexington Ins. Co.	Rentar Industries Realty Company	1978 - 1979	5513053
	Rentar Industries Realty Company	1979 - 1980	5513106
Liberty Mutual Insurance Co.		1981 - 1986	LG1-131-0431 25-031
Liberty Mutual Insurance Co.		1956 - 1972	LG1-142-0128 93-027
Liberty Mutual Insurance Company	SCA Services, Inc.	1979 - 1980	LG161200413 5026
Lloyds & British Co.		1976 - 1979	UHLO439
		1979 - 1982	ULL0304
		1982 - 1985	UFA0067

	SCA Services, Inc.	1974 - 1979	L361597
	SCA Services, Inc.	1979 - 1980	LG1612004135029
	SCA Services, Inc.	1976 - 1979	LG1612004135026
Lloyds & British Co.	Marvin Jonas Steel Drum	1978 - 1979	AC5787A0393L78
Lloyds of London	Tenneco, Inc.	1968 - 1971	
Lloyds of London		1978 - 1979	881UKL1396
		1979 - 1981	PY127779
		1981 - 1982	80DD250C
Lloyds of London	Archdiocese of Newark	1977 - 1978	SL3232/SLC5248
		1977 - 1978	SL3234/SLC5253
		1978 - 1979	SL3232/SLC5248
		1978 - 1979	SL3441/SLC5458
		1979 - 1980	SL3232/SLC5248
		1979 - 1980	SL3449/SLC5458
		1980 - 1982	S13710/SLC5740
		1980 - 1981	SL3734/SLC5743
		1981 - 1982	SL3719/SLC5740
		1981 - 1982	SL3734/SLC5753
		1982 - 1983	SL4039/SLC6023
		1984 - 1985	ISL3100/IC04059
		1984 - 1985	ISC3100/IC04059
		1982 - 1983	SL3719/SLC5740
		1982 - 1983	SL3734/SLC5753
		1985 - 1986	ISL3100/IC04059
		1985 - 1986	ISC3101/IC04060
		1986 - 1987	GHV101186
		1986 - 1987	GHV101986
	Rentar Industries Realty Company	1975 - 1977	S7591/92
	Rentar Industries Realty Company	1977 - 1979	OMS8610/1/2/3/4
	Rentar Industries Realty Company	1979 - 1982	OMS9040/41
	Rentar Industries Realty Company	1977 - 1978	8687/8
	Rentar Industries Realty Company	1978 - 1979	S8687/88

	Rentar Industries Realty Company	1979 - 1980	OMS9006/7
	Realty Industries	1980 1981	OMS 9136/7
		1969 - 1970	GLA 14115
		1981 - 1982	NGA 68174
Merchants Insurance Group		1976 - 1977	7LAO 05 6301920
Mission Insurance Co.		1976 - 1978	M837274
		1977 - 1978	M843206 M845832
		1980 - 1981	M857891
Mount Vernon Fire Insurance Co.		1973 - 1974	GLA 5390
Mount Vernon Fire Insurance Co.		1970 - 1971	GLA 2282
		1971 - 1972	GLA 3067
		1972 - 1973	GLA 5390
		1975 - 1976	GLA 9558
Maryland Casualty	Archdiocese of Newark	1970 - 1971	81-525529
		1970 - 1974	31-501110
		1974 - 1977	GL-0829220
		1977	SM-56556100
		1974 - 1975	31-501110
		1964 - 1965	96-229830
		1967 - 1970	41-107420
Merchants Insurance Group	Marvin Jonas Steel Drum	1976 - 1977	7LAO 05 6301920
Mount Vernon Fire Insurance Co.	Marvin Jonas d/b/a Marvin Jonas Inc., Jonas Waste Removal and/or Jonas Steel Drum	1970 - 1971	GLA 2282
		1971 - 1972	GLA 3067
		1972 - 1973	GLA 5390
		1975 - 1976	GLA 9558
	Marvin Jonas Steel Drum	1973 - 1974	GLA 5390

National Union Fire	Rentar Industries Realty Company	1983 - 1984	GLA9456802RA
	Rentar Industries Realty Company	1984 - 1985	GLA9457162RA
	Rentar Industries Realty Company	1985 - 1986	GLA1940315RA
	Rentar Industries Realty Company	1983 to Present	
Northbrook Excess and Surplus Insurance Co.		1975 - 1976	63300105
Northbrook Excess and Surplus Insurance Co.		1977 - 1978	63 003 633
		1978 - 1979	63005057
		1979 - 1980	63 006 070
		1980 - 1981	63 007 159
Northbrook Excess and Surplus Insurance Co.		1981 - 1982	22-3256
Northeastern		1977 - 1978	8678
North River		1977 - 1978	JU 0411
		1979 - 1981	JU 0750
North River Travelers	Staley Chemical Co.	1976 - 1979	JU 0222
		1970 - 1971	T CUP 94975270
		1970 - 1973	TR NSLO 949742 70
		1971 - 1972	T CUP 949752 71
		1972 - 1973	TJ CUP 94975272
		1973 - 1974	TRLNSL 107T040 6 73 TJ CUP 107T089 7 75
		1974 - 1975	TJ CUP 107T089 7 74 TRLNSL 107T040 6 74

		TRLNSL 107T040 9 75
		1976 - 1977 TRLNSL 107T040 6 76
		1977 - 1978 TRLNSL 107T040 6 72
North Star Reinsurance Corp.		1980 - 1981 NSU 4 576
		1981 - 1982 NSU 40576-A
North Star Reinsurance	Marvin Jonas d/b/a Marvin Jonas Inc., Jonas Waste Removal and/or Jonas Steel Drum	1980 - 1981 NSU-40576 1982 - 1983 NSU40576-B
	Marvin Jonas Steel Drum	1980 - 1981 NSU 4 576 1981 - 1982 NSU 40576-A
Northern Insurance Co of NY	Archdiocese of Newark	1973 - 1974 CP58634400
Northeastern Insurance Co.	Chemical Control Corp.	1977 - 1978 8678
	Thiokol Chemical Co.	1977 - 1978 8678
Protective Insurance Co.	Matlack, Inc.	1978 - 1979 X-147
		1981 - 1982 NGA 68174
		1982 - 1983 C5GL 79065
Protective Insurance Co.		1973 - 1976 X-147
		1976 - 1978 X-147
Prudential		1977 - 1978 DXC DX 0422
		1978 - 1979 DXC DX 1177
Prudential Reinsurance Co.		1978 - 1978 DXC DX 1184
Reinsurance Co.		

Public Service	Edwin Siegel	1976	Binder #2019, 0020
Mutual	Tooley's Truck Stop Tooley's Enterprises		
Reliance	American Inks & Coatings Corp.	1967 - "Until Cancelled"	CI 1020998
		1971 - 1972	GA 6 95 34 72
		1972 - 1973	GA 7 55 60 18
		1973 - 1974	GA 1 42 98 05
		1974 - 1975	GA 3 02 47 56
		1975 - 1976	GA 5 85 64 31
Self-Insurance & Continental		1978 - 1980	
Service Fire Ins. Company of New York	Rentar Industries Realty Company	1973 - 1974	EL 102
	Rentar Industries Realty Company	1974 - 1974	EL 112
St. Paul Ins. Co.	Archdiocese of Newark	1986 - 1987	900CA0301
	Marvin Jonas	1975 - 1976	L3 52 67 04
St. Paul Ins. Co.	Tooley's Truck Stop Edwin Siegel	1975 - 1976	529XA7728
Sun Insurance Co.	Edwin Siegel	1978 - 1979	51595074
Tokyo Marine	Kohl-Madden Printing Inc., Corp.		
Transamerica	Tooley's Truck Stop	1969 - 1972	1F1080918
Transportation Insurance Company	SCA Services, Inc.	1980 - 1984	CCP005312610
	SCA Services, Inc.	1980 - 1983	CCP 005312610
Travelers		1978 - 1979	TRNSL 107T039 9 78

		1979 - 1980	TRLNSL 107T040 6 79
		1980 - 1981	TRLNSL 107T040 6 80
Travelers	Angus Tank Cleaning Corp.		NSL 4027323
	Tenneco Chemicals, Inc.	1972 - 1981	
Travelers Ins. Co.	Tenneco, Inc.	1971 - 1981	
	Angus Tank Cleaning Corp.		NSL4027323
U.S. Fire Insurance Co.		1970 - 1971	
U.S. Liability Insurance Co.		1968 - 1969	GLA 11684
U.S. Liability Insurance Co.	Marvin Jonas Steel Drum a/d/b/a Marvin Jonas, Inc. Jonas Waste Removal	1973 - 1974 1969 - 1970	GLA 5390 GLA 14115
United States Fire	Archdiocese of Newark	1970 - 1973	551851
Universal	Chemical Control Corp.	1977 - 1978	380432
	Thiokol Chemical Co.	1977 - 1978	380432
Universal Underwriters	Marvin Jonas Steel Drum	1979 - 1982	
Utica Mutual Ins Co	Archdiocese of Newark	1973	625905F
	Rentar Industries Realty Company	1974 - 1975	GLA41002XSL
U.S. Liability Insurance Co.		1973 - 1974	GLA 5390
Wassau Insurance Company	Daubert Industries, Inc.	1957 - Present	
Western World Ins.	Angus Tank Cleaning Corp.		CGL 0015

Zurich Insurance Co.

1983 - 1984 GA 80 65 523

Zurich-American

1967 - 1970 85-59-100

DEPARTMENT OF ENVIRONMENTAL PROTECTION

11/11/80
DATE

DENNIS HART, Acting Assistant Director
Responsible Party, Cleanup Element
Division of Hazardous Waste Management

MULTI-SITE Service Addresses
Active Number One

Page -1-

A & B Drum Co., Inc.
Chief Executive Officer
c/o A & B Dump Truck Service
RD 4, Box 327
Sewell NJ 08080

A & B Dump Truck Service
John Phillips Maroccio Esq.
295 State Highway # 70
Cherry Hill NJ 08034

A. Gross & Company
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

A. Gross & Company
652 Doremus Avenue
Newark NJ

A. Terricone, Inc.
1337 Saw Mill River Road
Hasting on the Hudson NY 10710

A.B.M. Disposal Service
Not served
Address Unknown

A.C. Berwick Transporters, Inc.
155 Smith Street
Keasbey NJ 08832

A.C. Mengles Paint Ind., Inc.
Not served
Address unknown

Aaxon Industrial Inc.
P.O. Box 93
Iselin NJ 08830

Active Oil Service
Albina Rohde
100 Riverside Avenue
Newark NJ 07936

Adelphi Industries, Inc.
700 Gotham Parkway
Carlstadt NJ 07072

Aetna Casualty Insurance Group
Aetna Casualty Surety Co.
Aetna Commercial Insurance Co.
One Liberty Plaza
New York NY 12569

Air Products & Chemicals, Inc.
Stephen S. Ferraro, Esq.
Law Department
P.O. Box 538
Allentown PA 18105

Albanil Dye & Chemical
c/o Albanil Dye Stuff Corporation
20 Linden Avenue E
Jersey City NJ 07305

Alex Fergusson
Not served
Address unknown

Algas Corp.
Not served
Address unknown

Algas Corp.
P.O. Box 337
Egg Harbor NJ 08215

Allied Kid Co.
Not served
Address unknown

Allied Tube & Conduit Corp.
c/o Grinnel Corporation
11350 Horcom Road
Philadelphia PA 19154

Allstate Insurance Company
233 Mount Airy Road
Basking Ridge NJ 07927

Allstate Insurance Company
215 Birchwood Avenue
Cranford NJ 07016

MULTI-SITE Service Addresses
Directive Number One

Page -2-

Allstate Insurance Company
Mountain Avenue
Murray Hill NJ 07974

Almo Anti Pollution Service Corp.
James Orr, Esq.
Wilson Elser Moskowitz Edelman & Dicker
Gateway One
Newark NJ 07102

Almo Anti Pollution Service Corp.
Amy Strassmeyer, Esq.
Almo Tank Cleaning & Maintenance Co.,
Manor Care Inc.
10750 Columbia Pike
Silver Spring MD 20901

American Bag & Paper Co.
Grant & Aston Streets
Philadelphia PA 19915

American Bullrite, Inc.
1945 East State Street
Trenton NJ

American Casualty
412 Washington Street
Reading PA 19601

American Clam Co.
Not served
Address unknown

American Cooperage Co.
Not served
Address unknown

American Cyanamid Company
Margaret Tribble, Esq.
Federal Laboratories Division
One Cyanamid Plaza
Wayne NJ 07470

American Inks & Coatings Corp.
Eugene Buttle
P.O. Box 803
Valley Forge PA 19482

American Mutual Liability Ins. Co.
77 Central Avenue
Clark NJ 07066

American Mutual Liability Insurance
77 Central Avenue
Clark NJ 07066

American Mutual Liability Insurance Co.
John Wortman, CEO
Quannapowitt Parkway
Wakefield MA 01880

American National Can Corp.
Leonard C. Everson
8770 W. Bryn Mawr Avenue
Chicago IL 60631

American Policyholders Insurance Co.
1600 St. Georges Avenue
Rahway NJ 07065

American Pollution Control
Not served
Address unknown

Amco Assoc.
c/o Clairol Inc.
345 Park Avenue
New York NY 10154

Andrew Kaskiw
One Little Falls Way
Scotch Plains NJ 07076

Angus Tank Cleaning Corp.
One Ingham Avenue
Bayonne NJ 07002

Anthony Amadei
625 Mantua Boulevard
Mantua NJ 08052

Anthony Amadei Sand & Gravel, Inc.
John B. Kearney, Esq.
Kenney & Kearney
1415 Route 70 East
Box 5034
Cherry Hill NJ 08034

MULTI-SITE Service Addresses
Effective Number One

Anthony D. Gaess
33 North Avenue
Montvale NJ 07645

Archdiocese of Newark
William Cambria, Esq.
31 Mulberry Street
Newark NJ 07102

Armsk Co.
Not served
Address unknown

Armstrong Cork Co.
Corporation Trust co.
28 W. State Street
Trenton NJ 08608

Araynco, Inc.
Seymour Mann
P.O. Box 8
Foot of 13th Street
Carlstadt NJ 07072

Art Metals USA Inc.
300 Passaic Street
Newark NJ 07104

Ashland Oil, Inc.
P.O. Box 391
Ashland KY 41114

Asphalt Sales, Inc.
Not served
Address unknown

Atlantic Disposal Service Inc.
Church & Springdale Road
Mt. Laurel NJ 08054

Atlantic Employers Insurance Co.
c/o Cigna Companies
Five Greentree Centre
Route 73 South
Milton NJ 08053

Atlas Salvage
Not served
Address unknown

Atochem Inc.
Max S. Bass, President
266 Harristown Road
Glen Rock NJ 07452

B & F Corporation
Trenton and Rust Streets
Philadelphia PA

B.P. America, Inc.
Edmund Kulinski
P.O. Box 428
Marcus Hook PA 19061

B.P. America, Inc.
George Dunn, Esq.
Chief Counsel
200 Public Square
Cleveland OH 44114

Bankers & Shippers Insurance Co. of NY
P. Brydin Manning, Esq.
360 South Church Street
Burlington NC 07215

BASF Corporation
Andrew L. Praszak, Senior Attorney
Legal Department
8 Campus Drive
Parsippany NJ 07054

Beazer Materials & Services Inc./Koppers
436 7th Avenue
Pittsburgh PA 15219

Bechtel Group, Inc.
50 Beale Street
Box 3965
San Francisco CA 94119

Bechtel Power Corp.
P.O. Box 626
West Haverstraw NY 10993

Beck Engraving Co., Inc.
Not served
Address unknown

MULTI-SITE Service Addresses
Directive Number One

Page -4-

Bell Harbor, Inc.
Creek Road
Deptford NJ 08096

Bell Harbor, Inc.
Kirfville-Gross Keys Road
Washington NJ

Bellafonte Reinsurance Company
c/o Universal Reinsurance Corp.
11370 Reed Hartmond Highway
Cincinnati OH 45241

Bellafonte Reinsurance Company
c/o Universal Reinsurance Corp.
1221 River Bend Drive
Dallas TX 75247-0350

Bentley Harris Mfg. Co.
241 Welsh Pool Road
Lionville PA 19353

Bessemer Processing Company
c/o Kingeland Barrel
308 Miller Street
Newark NJ 07114

Betz Laboratories, Inc.
Gillingham & Worth Streets
Philadelphia PA 19124

Beverly Associates
Not served
Address unknown

Bio-Homic Resources Inc.
38 Fair Lawn Road
Brick NJ 08723

Blackwood Carbon Products Co., Inc.
Lillian A. Clarke
121 Fairmont Avenue
Laurel Springs NJ 08021

Bob D'Onnell
Not served
Address unknown

Boston Edison Co.
Jeffrey N. Stevens, Esq.
800 Boylston Street
Boston MA 02199-8001

Bowen-McLaughlin-York Co.
Bair Siding
York PA 17405

Bristol-Myers Squibb
Howard R. Harrison, Esq.
P.O. Box 4000
Princeton NJ 08543-4000

Brookside Metals
Not served
Address unknown

Browning Ferris Industries
P.O. Box 4953, 3151
Houston TX 77253

California Union Insurance Co.
Gordon S. Thomas, CPCU
3700 Wilshire Boulevard
Los Angeles CA 90010

Campbell Chain
A Cooper Industries Division
3990 E. Market Street
York PA

Canadian Universal Insurance Co. LTD
144 Wayland Avenue
Providence RI 02940

Car-O-Matic Car Wash, Inc.
S.W. Boulevard & Grape Street
Vineland NJ 08360

Carriers Insurance Co.
3000 Ruan Center
Des Moines IA 50309

MULTI-SITE Service Addresses
Active Number One

Page -5-

CBS, Inc.
Lawrence A. Tisch, CEO
51 West 52nd Street
New York NY 10019

Celanese Corp.
c/o Corporation Trust Co.
28 West State Street
Trenton NJ 08608

Centaur Insurance Co.
100 South Wacker Drive
Chicago IL 60606

Centennial Insurance Co.
Gary Kingery
Atlantic Company
525 W. Monroe Street
Chicago IL 60606

Centennial Insurance Co.
150 J.F.K. Parkway
Short Hills NJ 07078

Central Jersey Disposal Service Co., Inc.
Michael DiNardi
115 Churchill Avenue
Somerset NJ 08873

Central Steel Drum Co.
Edward B. Fischer
704 Doremus Avenue
Newark NJ 07105

Cerro Wire & Cable Co.
5500 Hespeth Avenue
Hespeth NY 11378

Certainfeed Corporation
P.O. Box 860
Valley Forge PA 19482

Certainfeed Corporation
Charles L. Harp, Jr., Esq.
Archer & Greiner
One Centennial Square
Box 3000
Jonfield NJ 08033-0968

Chemed Corp.
Zuf I. Welsa
41 Hamlin Road
Edison NJ 08817

Chemtron Corp.
P.O. Box 517
Hanover PA 17331

Chemex Inc.
Barry J. Silverstein
P.O. Box 205AD
153 Stiles Street
Elizabeth NJ 07208

Chemical & Solvent Distillers, Inc.
Not Served
Address Unknown

Chemical Control Corporation
c/o INA
Five Greentree Centre
Route 73 South
Marlton NJ 08053

Chemical Leaman Corp.
Chemical Leaman Tank Lines
Cedar Swamp & Cooper Road
Bridgeport NJ 08014

Chemical Leaman Corp.
S.F. Niness, Jr.
Chemical Leaman Tank Lines, Inc.
102 Pickering Way
Exton PA 19341

Chemical Waste Disposal Corp.
Not served
Address unknown

Chemline Corp.
Ten Cherry Street
Elizabeth NJ 07202

Chemquid Disposal, Inc.
Henry Engles
Five Cider Hill Road
Upper Saddle River NJ 07458

Chester Packing Company
Seven Cattleman's Cove
Chester NY 10918

MULTI-SITE Service Addresses
Directive Number One

Page -6-

Chicago Bridge & Iron
801 East 6th Street
New Castle DE 19720

Chub's Cesspool Service
1025 Wesley Avenue
National Park NJ 08063

Clairrol Inc.
345 Park Avenue
New York NY 10154

Classic Chemical
J.R. Boudreau
16 & Mickle Street
Camden NJ 08105

Clayton & Sons
3760 N. 5th Street
Philadelphia PA

CNA Insurance
Seven Ridgedale Avenue
Cedar Knolls NJ 07927

Coast Pro-Seal
(Teledyne)
Hutt & Kimberton Roads
Phoenixville PA 19460

Coastal Services Inc.
Patricia A. Pickel
Peabody International Corp.
182 Nassau Street
Princeton NJ 08540

Cole Steel Equipment, Inc.
601 Loucks Mill Road
York PA 17403

Colonial Penn Insurance Company
Five Penn Plaza
Philadelphia PA 19181

Colony Container
Not served
Address unknown

Combustion Equipment
Not served
Address unknown

CoMetals of Pennsylvania
Not served
Address unknown

Comfort Homes
Crosswicks-Ellisdale Road
Crosswicks NJ 08515

Companies Combined Policy Insurance Co.
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08625

Concord Chemical Co., Inc.
AG&R Service Co.
One Centennial Square
Haddonfield NJ 08033

Consolidated Cork Co.
Box 7
Piscataway NJ 08854

Container Corp. of America
Joseph E. Price
1204 East 12th Street
Wilmington DE 19802

Continental Can Co.
Matthews & N. Cedar Hollow Road
Paoli PA 19301

Continental Insurance Co.
Michael Carozza
Two Peach Tree Hill Road
Box 470
Livingston NJ 07039-0470

Continental Wire & Cable
P.O. Box 1863
York PA 17405

MULTI-SITE Service Addresses
Effective Number One

Page -7-

Copy Graphics
Alex Lacroce
107 Ward Avenue
Audubon NJ 08106

Corco, Inc.
Vincent J. Bernardo, Jr.
Box 555, RD #1
Blackwood NJ 08012

CPS. Chemical Company
P.O. Box 162
Old Bridge NJ 08857

Crompton & Knowles
Route 724
Gibraltar PA 19524

Crown Cork and Steel Company, Inc.
John S. Connelly
9300 Ashton Road
Philadelphia PA 19136

Crown Cork and Steel Company, Inc.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Curley Co., Inc.
Arthur L. Nims
550 Broad Street
Room 1501
Newark NJ 07102

D & J Trucking & Waste Co., Inc.
Dominick & Joseph Attanasi
Three Hemlock Circle
Cranford NJ 07016

Dairy Pak
155 East Hanover Avenue
Morristown NJ 07960

Damon Douglas Company
245 Birchwood Avenue
P.O. Box 1030
Cranford NJ 07016

Daniel F. Jackson
35 Albert Avenue
Milltown NJ 07016

Daubert Industries, Inc.
Francis X. Ryan, Esq.
Green Lundgren & Ryan
227 Kings Highway East
Haddonfield NJ 08033

Daubert Industries, Inc.
Carol A. Waldman, Esq.
Sonnenschein Carlin Nath & Rosenthal
8000 Sears Tower
233 South Wacker Drive
Chicago IL 60606

Daubert Industries, Inc.
Westbrook Corporate Center
Suite 1000
Westchester IL 60153

Delber Products Inc.
Raymond R. Brunner, CEO
7th and Spruce Streets
Perkasie PA 18944

Denny Corp.
20th & Washington Streets
Philadelphia PA 19146

DeKewel Chemical Co., Inc.
P.O. Box 58
Revere PA 18953

DeSandro, Inc.
c/o Anthony DeSandro & Sons, Inc.
Good Intent Road
P.O. Box 352
Blackwood NJ

Desoto Inc.
Not served
Address unknown

Devos Realty Company
Not served
Address unknown

Diamond Head Oil Corp.
Charles Gemmel
P.O. Box 296
Linwood NJ 08221

MULTI-SITE Service Addresses
Directive Number One

Page -8-

Diversified Marketing Group, Inc. Morton Schwartz (Formerly Dimensional Communications) Benigno Boulevard Interstate Indu. Bellmawr NJ 08030	Dow Industries Services c/o Dow Chemical Co. Legal Department 2030 Willard H. Dow Center Midland MI 48674	Drew Chemical Company 1106 Harrison Avenue Kearny NJ 07032
Ozane Marine Corp. Not served Address unknown	Duke Refinery 2020 Jarrrell Road High Point NC 27260	E.H. Hausermann Co. Not served Address Unknown
E.I. Du Pont de Nemours & Co. Bernard J. Reilly, Esquire Legal Department 1007 Market Street Wilmington DE 19898	E.I. Du Pont de Nemours & Co. James Stewart, Esq. Lowenstein Sandler Brochlin Kohl Fisher & Boylan 65 Livingston Avenue Roseland NJ 08068	E.S.B. Inc. Not served Address unknown
East Coast Pollution Control, Inc. Cenco Boulevard P.O. Box 275 Clayton NJ 08312	East Coast Salvage Not served Address unknown	Eastern Auto Parts Co., Inc. John E. Wall (Formerly Wall & Bernardo, Inc.) RD 1, Box 723 Blackwood NJ 08012
Eastern Industrial Corp. 3300 South 61st Street Philadelphia PA 19153	Eastern Waste Removal Joseph F. Maker c/o Eastern Waste Oil Service Clover Leasing Inc. 310 A-B Cuthbert Boulevard Westmont NJ 08108	Echo, Inc. Charlotte Hunt 471 Parkway Avenue Trenton NJ 08618
Edwin Siegel 11 Charlene Drive Clifton NJ 07013	Ekco Products, Inc. 777 Wheeling Road Wheeling IL 60090	Electric Mutual Liability Insurance Co. 715 Lynnway Lynn MA 01905
Ellis Cooperage Church Road Moorestown NJ 08057	Engineering Services 201 Glasboro Road Menona NJ 08090	Enterprise Container Not served

MULTI-SITE Service Addresses
Directive Number One

Page -9-

Erie Trading Co.
3620 North 2nd Street
Philadelphia PA 19140

Ernest Sever
Park Avenue
Edgewater Park NJ 08010

Essex Chemical Co.
L. John Polie, Ch Bd, CEO
1401 Broad Street
Clifton NJ 07013

Evelyn B. Frank
800 Fifth Avenue
New York NY 10009

Exxon Corporation
E.J. Hess
1251 Avenue of the Americas
New York NY 10020-1198

F & S Scerbo Co.
770 Mallory Avenue
Jersey City NJ 07304

F. Heinzelman and Sons, Inc.
Fred Heinzelman, Jr., President
790 Washington Avenue
Carlstadt NJ 07072

Farmer's Reliance Insurance Co.
c/o American Reliance Ins. Companies
1000 Lenox Drive
P.O. Box 6426
Lawrenceville NJ 08647

Federal Alloys Corp.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Federal Insurance Company
890 Mountain Avenue
New Providence NJ 07974

Ferwood Polychrome
Not served
Address unknown

Fine Organics, Inc.
880 Main Street
Sayreville NJ 08872

Fireman's Fund Insurance Company
P.O. Box 230
Parsippany NJ 07054

Firestone Adhesive Company
John Nevin
Firestone Tire & Rubber Co.
1200 Firestone Parkway
Akron OH 44317

Firestone Adhesives
1000 Nottingham Way
Trenton NJ 08609

First State Insurance Company
c/o Cameron Colby Company
60 Battery March Street
Boston MA 02110

Flintkote Co.
425 Central Avenue
East Rutherford NJ

Florence Land Development Inc.
Florence Land Development Co.
Florence Land Recontouring Inc.
c/o Alton W. Cross
P.O. Box 5767
Tallahassee FL 32301

Florence Land Recontoring Inc.
R/A Ernest W. Sever
450 High Street
Burlington NJ 08016

Florence Land Recontoring Inc.
R/A Lawrence Cooper
160 South Livingston Avenue
Livingston NJ 07039

FLS Inc.
Not Served
Address Unknown

MULTI-SITE Service Addresses
Directive Number One

Page -10-

Foglia Brothers, Inc.
Frank Foglia
Six Carpenter Terrace
Belleville NJ 07109

Food Haulers
Jerome D. Yaguda
600 York Street
Elizabeth NJ 07207

Ford Industrial Services, Inc.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Ford Motor Co.
American Road
Dearborn MI 48121

Frank Cicalese
60 Sycamore Road
Colonia NJ 07065

Frank Scerbo
164 Burnet Place
Woodbridge NJ 07095

G.A.F. Corporation
L.P. Pasculli, Esq.
1361 Alps Road
Wayne NJ 07470

Gaess Environmental Services Inc.
c/o SCA Services, Inc.
3003 Butterfield Road
Oak Brook IL 60521

Galaxy Chemical
Not served
Address unknown

Galaxy Chemicals Inc.
Sally Mraz, Secretary
c/o Spectrum Chemical Company
Eight North Parkway
Newark DE 21921

Garden State Trading Co., Inc.
P.O. Box 61
Sayreville NJ 08872

Garlock Bearings, Inc.
700 Mid-Atlantic Parkway
Thorofare NJ 08086

General Cooprage
Not served
Address unknown

General Electric Company
3135 Easton Tpk.
Fairfield CT 06431

General Marine Transport Corp.
Jared Stamell
Foot of Ingham Avenue
Bayonne NJ 07002

General Metalcraft, Inc.
McKee Road
P.O. Box 577
Dover DE 19903

General Metalcraft, Inc.
James L. McKenna, Esq.
Deasey Mahoney & Bender, Ltd.
1040 North Kings Highway
Suite 635
Cherry Hill NJ 08034

George Kudra
Jericho & Pidcock Lane
Buckland Valley Farms
Washington Cross. PA 18977

Gilbert Spruance Co., Inc.
John W. Kampman, Esq.
The Marker Firm
2021 K Street, N.W.
Suite 310
Washington DC 20006

Gilbert Spruance Co., Inc.
Frank Luchak, Esq.
Duane Morris & Heckscher
One Franklin Plaza
Philadelphia PA 19102

Gilbert Spruance Co., Inc.
Richard T. Greene
Richmond & Tioga Streets
Philadelphia PA 19134

MULTI-SITE Service Addresses
Directive Number One

Gimbels Brothers, Inc.
Richard Tyler, Controller
c/o Batus Inc.
2000 Citizens Plaza
Louisville KY 40202

Glens Falls Insurance Co.
c/o The Continental Ins. Co.
Two Peachtree Hill Road
Livingston NJ 07039

Gloria Pinto
32 Deer Run
Brick NJ 08723

Gold Cooperage, Inc.
Jerome Litwak
401 South Street
Newark NJ 07018

Gould Inc.
Metals Division
Ashland & Adams Avenues
Philadelphia PA 11124

Graphic Control
Not served
Address Unknown

Great Atlantic Insurance Company
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08625

Great Southwest Insurance Company
c/o Sentry Insurance Mutual Company
P.O. Box 35727
Richmond VA 23235-0728

Greater New York Mutual Insurance Co.
377 Summerhill Road
P.O. Box 798
East Brunswick NJ 08816

Grow Chemical Coatings Corp.
(Formerly B W Coatings Co., Inc.)
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08625

H.B. Fuller Company
J. DeMaola
29 Mack Drive
Edison NJ 08817

H.G. Enderlein Co.
Harry G. Enderlein
Central Avenue
Grenloch NJ 08032

H.K. Porter Co., Inc.
11th & Pennsylvania Avenues
Prospect Park PA 19076

Hechik Bleach Co.
5th & Wynnefield Avenue
Philadelphia PA 19131

Harien Chemicals
Haven Chemical Co.
5000 Langdon Street
Philadelphia PA 19124

Harold Goldberg
7380 James Street
Philadelphia PA 19136

Harshaw Chemical
Foot of Water Street
Gloucester NJ 08030

Hartford Accident & Indemnity Co.
33 Mount Hope Avenue
P.O. Box 1000
Rockaway NJ 07866

Hartford Insurance Group
33 Mount Hope Avenue
P.O. Box 1000
Rockaway NJ 07866

Hartz Mountain Industries, Inc.
Irwin A. Horowitz
1400 Plaza Drive
Secaucus NJ 07096

Hatco Chemical
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

MULTI-SITE Service Addresses
Directive Number One

Page -12-

Hauto Metallurgical Corp.
Edward L. Payer
201 Glassboro Road
Wenonah NJ 08090

Hauto Metallurgical Corp.
c/o Engineering Services
201 Glassboro Road
Wenona NJ 08090

Haven Chemical Co.
5000 Landon Street
Philadelphia PA 19124

Helen Kramer
Jessup Mill Road
Mantua NJ 08051

Henkels & McCoy, Inc.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Henry Engels
Five Cider Hill Road
Upper Saddle River NJ 07458

Hercules Inc.
Market Street
Gibbstown NJ 08027

Hercules Inc.
David S. Hollingsworth, CEO
1313 North Market Street
Wilmington DE 19801

Hoechst Celanese Corp.
c/o Corporation Trust Co.
28 W. State Street
Trenton NJ 08608

Hoechst Celanese Corporation
Route 202 - 206 North
Somerville NJ 08876

Hoffman La-Roche, Inc.
P.O. Box 333
Nutley NJ 07110

Home Insurance Company
Executive Offices
59 Maiden Lane
New York NY 10038

Howmet Aluminum Corp.
P.O. Box 3167
Lancaster PA 17604

Howmet Corp.
8501 Negerman Street
Philadelphia PA 19136

Hughes Bros. Co.
Not served
Address unknown

Hulbert Oil Co.
2200 East Caster Avenue
Philadelphia PA 19134

Hulbert Oil Company
Chief Executive Officer
P.O. Box 161
Marion IL 62959

Hussman Refrigerator Co.
Burnt Mill Road
Cherry Hill NJ 08003

Hyatt Bearing
Not served
Address unknown

Hygrade Food Products Corp.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

ICI Americas, Inc.
New Murphy Road and Concord
Wilmington DE 19803

MULTI-SITE Service Addresses
Directive Number One

Page -13-

ICI Americas, Inc. Harry Corless Route 202 & New Murphy Road Wilmington DE 19897	ICI Americas, Inc. Frederick Rom, Esq. George J. Lavin, Jr., Associates The Executive News 1930 E. Mariton Pike, Suite A-1 Cherry Hill NJ 08003	Imports Disposal 392 William Street Piscataway NJ 08854
Industrial Process System Not served Address unknown	Industrial Refuse and Removal Service P.O. Box 600 Port Reading NJ 07064	Industrial Surplus Chemical, Inc. Not served Address unknown
Inland Chemical Vulcan Materials Co. Chemical Division 600 Doremus Avenue Newark NJ 07102	Inland Chemical Co. Sheldon W. Liebowitz 50 Grand Avenue Englewood NJ 07631	Inland Pumping & Dredging Corp. P.O. Box 140 Downingtown PA 19335
Inland Pumping & Dredging Corp. Norman Mesnikoff 305 Broad Street Asbury Park NJ 07712	Insurance Company of North America Robert D. Kilpatrick, Ch. Bd. 1600 Arch Street Philadelphia PA 19103	Insurance Company of North America 236 West Route 38 P.O. Box 345 Moorestown NJ 08057
Interstate Fire & Casualty Company 55 East Monroe Street Chicago IL 60603	Ivers Lee Bruce J. Hector, Sr. Attorney Becton Dickinson & Company One Becton Drive Franklin Lakes NJ 07417-1880	J & J Leasing George L. Garrison 1135 Clifton Avenue Clifton NJ 07013
J. Sukonick Co. Delaware Avenue & McKean Philadelphia PA 19148	J.I.S. Company RD 1, Box 221F Jamesburg NJ 08631	J.L. Prescott Co. Larry W. Graf 27 8th Street Passaic NJ 07055
Jack Leefson 14 South 3rd Street Fernwood PA 19050	Jacob Kline Corp. Stanley Kline, President 701 Highland Street Allentown PA 18103	Jacob Stern & Son Benjamin Fox Pavilion Jenkintown PA 19006

MULTI-SITE Service Addresses
Directive Number One

Page -14-

Jay-Tar Co.
Gerald Greenberg
704 Doremus Avenue
Newark NJ 07105

Jerome Kotzen
1879 Hemlock Circle
Abington PA 19001

Jersey Environmental Services, Inc.

John L. Atkin
61 Fountain Road
Levittown PA 19056

Joseph Pinto
32 Deer Run
Brick NJ 08723

Joyce International, Inc.
Robert M. Axelrod, Esq.
(Formerly Cole Bus. Furniture Co.
and Cole Steel Co.)
33 Washington Street
Newark NJ 07102-3179

K-Metal Fab. Inc.
9th & Tioga Streets
Philadelphia PA 19140

K.T.K., Inc.
Gary Toth
Meadow Road
P.O. Box 1394
Edison NJ 08817

Kaiser Aluminum & Chemical Corp.
Corporation Trust Company
28 West State Street
Trenton NJ 08608

Kel-Ron Steel & Fibre Drum Co., Inc.
2008 Federal Street
Camden NJ 08105

Keweenaw Industries, Inc.
Daniel E. Vineyard, Esq.
(formerly U.S. Printing Ink)
Chevron Corporation
555 Market St., P.O. Box 7141
San Francisco CA 94120-7141

Keweenaw Industries, Inc.
225 Bush Street
San Francisco CA 94104

Keystone Millwork Co.
875 Sherman Avenue
Pennsauken NJ 08110

Keystone Reprive
Not served
Address unknown

Kohl-Madden Printing Ink Corp.
Two University Plaza
Hackensack NJ 07601

Kraft Oil
U.S. Route 1
Woodbridge NJ 07095

Krajack Tank Lines, Inc.
Joseph Krajack
480 East Westfield Avenue
Roselle Park NJ 07204

Lansdowne Steel & Iron
Highland Avenue & R.R.
Morton PA 19070

Lehigh Press Lithographer
Louis J. Muracco
c/o The Lehigh Press, Inc.
7901 North Park Drive
Pennsauken NJ 08109

Lexington Insurance Company
c/o American International Group
200 State Street
Boston MA 02109

Liberty Mutual Insurance Co.
Ten Becker Farm Road
Roseland NJ 07068

MULTI-SITE Service Addresses
Effective Number One

Page -15-

Liberty Smelting
Not served
Address unknown

Lightman Drum Co., Inc.
Jermone Lightman
P.O. Box 22
Berlin NJ 08009

Linwood Container Corp.
P.O. Box 1324
Linwood PA 19061

Lloyds of London
Walter Slazak, Esq.
Lord Bissell & Brook
115 South Lasalle Street
Chicago IL 60603

Lubrication Engineers, Inc.
3851 Airport Freeway
Fort Worth TX 76111

M.A. Bruder & Sons, Inc.
600 Reed Road
P.O. Box 600
Broomall PA 19008

M.A. Bruder & Sons, Inc.
Louis Niedelman, Esq.
Cooper Perskie April Niedleman
Egehhefn & Weiss
1125 Atlantic Avenue, Suite 320
Atlantic City NJ 08041

M.P.C. Ind.
Not served
Address unknown

Magic Marker Corp.
Ira Ingerman
One Magic Marker Lane
Cherry Hill NJ 08003

Magid Co.
Four Allwood Avenue
Long Island NY 11722

Magnetic Metal Co.
Herbert D. Risley
Hayes Avenue at 21st Street
Camden NJ 08101

Mannington Mills, Inc.
Carl Saxpiers, CEO
P.O. Box 30
Salem NJ 08079

Manor Care
James Orr, Esq.
Wilson Elser Moskowitz Edelman & Dickers
Gateway One
Newark NJ 07102

Manor Care Inc.
Chief Executive Officer
Silver Springs MD 20907

Marbeth Trucking Corp.
Not served
Address unknown

Marisol
H. Peter Nenger
125 Factory Lane
Middlesex NJ 08846

Maritec International Inc.
Tony Lucas
150 Roosevelt Place
Palisades Park NJ 07650

Marzac Industries, Inc.
Not served
Address unknown

Marvin Jones
Kevin Wall, Esq.
Marvin Jones, Inc.
Jones Steel Drum
407 White Horse Pike
Oaklyn NJ 08107

Maryland Casualty Company
3910 Keswick Road
Baltimore MD 21211

Material Resources
35 Albert Avenue
Milltown NJ 08036

MULTI-SITE Service Addresses
Directive Number One

Page -16-

Matlack Inc.
Matlack Building
Independence Drive
Cornwell Heights PA 19020

Mayco Oil & Chemical Co.
Not served
Address unknown

McCorquodale Process, Inc.
Chief Executive Officer
2737 Whitford Road
Whitford MD 21160

Mechanics Uniform
117B Marlkrass Road
Cherry Hill NJ 08003

Merchants Insurance Group
250 Main Street
Buffalo NJ 14240-0903

Metem Corporation
700 Parsippany Road
Parsippany NJ 07054

Michaels Industrial Disposal Co.
Alfred Iosciale
218 North Randolphville Road
Piscataway NJ 08854

Mid Atlantic Refinery Service
Not served
Address unknown

Mid-State Trading Company
P.O. Box 3275
Williamsport PA 17701

Mitchell's Waste Removal Inc.
Albert J. Mitchell
330 North Woodbury Road
Pitman NJ 08071

Mobil Oil Corporation.
Allen E. Murray, CEO
(Sub. of Mobil Corporation)
150 East 42nd Street
New York NY 10017-5666

Mobile Dredging & Pumping Co.
344 Potstown Road
Exton PA 19341

Mobile Hydro
Not served
Address unknown

Mobil Oil Research & Development Corp.
Superfund Response Group
P.O. Box 1039
Princeton NJ 08543-1039

Modern Industrial Waste Service Inc.
John D. Pogorelee
250 Washington Avenue
Clifton NJ 07011

Modern Transportation
75 Jacobus Avenue
Keany NJ 07032

Mohawk Laboratories of N.J., Inc.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Monroe Chemical Corporation
Seville Avenue at 4th Street
Eddystone PA 19013

Monsanto Chemical Company
800 North Lindbergh Boulevard
Saint Louis MO 63167

Moore Products Company
Warren R. Jensen
2816 Morris Avenue
Union NJ 07083

Morton International, Inc.
Edward C. Laird, Esq.
Archer & Greiner
One Centennial Square
P.O. Box 3000
Haddonfield NJ 08033-0968

MULTI-SITE Service Addresses
Directive Number One

Morton International, Inc.
Daniel Boone, Jr., Esq.
Litigation & Environmental Counsel
110 North Wacker Drive
Chicago IL 60606-1560

Mount Vernon Fire Insurance Company
Not served
Address unknown

Mrs. Paul's Kitchens
5830 Henry Avenue
Philadelphia PA 19128

Mutual Fire, Marine and Inland
Insurance Company
1760 Market Street
Philadelphia PA 19103

M.L. Industries, Inc.
John H. Klock, Esq.
Crummy Deideo Dolan Griffing & Vecchione
One Gateway Center
Newark NJ 07102

M.L. Industries, Inc.
Janet Smith
Office of Staff Counsel
P.O. Box 700
Hightstown NJ 08520

National Can Company
Not served
Address unknown

National Fire Insurance Co. of Hartford
General Administration Office
CNA Plaza
Chicago IL 60685

National Rolling Mills
P.O. Box 622
Paoli PA 19301

National Steel Drum Co.
Trenton & Ontario Streets
Philadelphia PA 19134

National Union Fire Insurance Company
c/o American International Group
70 Pine Street
New York NY 10270

National Vacuum
Not served
Address unknown

National Vulcanized Fiber Company
Russel Davis, CEO
Box 68
Yorklyn DE 19736

Nease Chemical Co., Inc.
P.O. Box 221
State College PA 16801

Neshaminy Steel Fabricators
716 Viker Avenue
Cornwell Heights PA 19020

New York Twist Drill
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Nicolet Industries, Inc.
Not served
Address unknown

North Star Reinsurance Company
c/o William L. Dalton Agency
206 West High Street
Glassboro NJ 08028

Northeastern Insurance Company
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08625

Northern Insurance Co. of New York
Nancy Dilorenzo
Maryland Casualty
300 Broad Acres Drive
Bloomfield NJ 07003

O.H. Materials
P.O. Box 551
Findley OH 45839

MULTI-SITE Service Addresses
Directive Number One

Page -18-

Occidental Petroleum Company
10889 Wilshire Boulevard
Los Angeles CA 90024

Occidental Petroleum Corp.
Hooker Chemicals & Plastics Corp.
Ruco Division
P.O. Box 728
Niagara Falls NY 14302

Oil Recovery
Wayne C. Streitz
Ten Pitman Avenue
Pitman NJ 08071

Olivetti Corp. of America
(Formerly Olivetti Underwood)
c/o Prentice Hall Corp. System
One Exchange Place
Jersey City NJ 07303

Orb Industries
2nd and Race Streets
Upland PA 19076

Orb Industries Inc.
#2 Race Street
P.O. Box 1067
Chester PA 19015

Orbis Products Corp.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Oxy Metal Industries
c/o Occidental Petroleum Company
10889 Wilshire Boulevard
Los Angeles CA 90024

P.J.P. Landfill Co.
Paul Cappola
542 Smith Drive
Point Pleasant NJ 08742

Paisley Products
Not served
Address unknown

Pak-Well Paper Products
Not served
Address unknown

Paluzzi Bros., Inc.
706 New York Avenue
Lyndhurst NJ 07071

Pantasio Wrecking Co.
211 Rock Hill Road
Bala Cynwyd PA 19004

Paragon Paint & Oil Co.
5-49 46th Avenue
Long Island NY

Parker Co.
c/o Occidental Petroleum Company
10889 Wilshire Boulevard
Los Angeles CA 90024

Paul Cappola
542 Smith Drive
Point Pleasant NJ 08742

Penn Walt Corporation
Kathleen L. Petrilli, Esq.
Three Parkway
Philadelphia PA 19102-1389

Permaelastic Products
Not served
Address unknown

Petco Metals
Not Served
Address Unknown

Pfister Chemical Co.
Albert Bendelius
Linden Avenue
Ridgefield NJ 07657

Pfizer, Inc.
Alan C. Zetterberg, Esq.
235 East 42nd Street
New York NY 10017

MULTI-SITE Service Addresses
Directive Number One

Philadelphia Newspaper Inc.
Chief Executive Officer
Gloucester Environmental Mgmt. Svcs., Inc. Philadelphia PA 19101
400 North Broad Street
Philadelphia PA 19130

Philadelphia Newspapers, Inc.
400 North Broad Street
Philadelphia PA 19101

Philadelphia Newspapers, Inc.
Daniel M. Baker, Esq.
Cahill Wilinski & Cahill
25 Chestnut Street
P.O. Box 80
Haddonfield NJ 08033

Philadelphia Newspapers, Inc.
John F. Stoviak, Esq.
Dilworth Paxson Kalish & Kauffman
2600 Fidelity Building
Philadelphia PA 19109-1094

Philadelphia Steel Wire
2829 Charter Road
Philadelphia PA 19154

Phillip Moscato
3428 Spring Bluff Place
Lauderhill FL 33319

Pinto Services, Inc.
Frank Pinto
445 North Main Street
Lodi NJ 07644

Pioneer Salt & Chemical
Not served
Address unknown

Pittco-Pricketts
735 Hurffville Road
Deptford NJ 08096

Playtex International
Box 631
Dover DE 19907

PMC, Inc.
47 Carey Avenue
Butler NJ 07405

Poly Printing
2nd & Depo Streets
Bridgeport PA 19405

Poly Sciences Inc.
Paul Valley Industrial
Warrington PA 18976

Polymer Industries Inc.
Viaduct Road
Springdale CT 06907

Pressco Supply Co.
Not Served
Address Unknown

Product Research, Inc.
George Hioko
20 Pershing Avenue
Milltown NJ 08850

Products Research
Not served
Address unknown

Progressive Lighting Co.
I & Erie Avenues
Philadelphia PA 19134

Protective Insurance Company
3100 N. Meridian Street
Indianapolis IN 46208

Public Service Electric & Gas Co.
101 Eisenhower Parkway
Roseland NJ 07068

Public Service Electric & Gas Co.
William S. Smith, Esq.
80 Park Plaza
P.O. Box 570
Newark NJ 07101

MULTI-SITE Service Addresses
Directive Number One

Page -20-

Purex Corp.
5134 Lancaster Avenue
Philadelphia PA 19131

Purex Corp.
1414 Radcliff Street
Bristol PA 19007

Pyramid Chemical Import
Joel D. Udell
1035 Virginia Drive
Fort Washington PA 19034

R.C.A. Corporation
Robert R. Frederick
30 Rockefeller Plaza
New York NY 10020

R.C.A. Corporation
New Holland Avenue
P.O. Box 3140
Lancaster PA 17604-3140

R.J.R. Nabisco, Inc.
Chief Executive Officer
110 Reynolds Boulevard
Winston-Salem NC 27102

R.K.D.
Daniel F. Jackson
35 Albert Avenue
Milltown NJ 08850

Rambler Enterprises
Not served
Address unknown

Reagents Chemical Co.
Martin S. Fox
540 Broad Street
Newark NJ 07102

Reichold Chemical, Inc.
525 North Broadway
White Plains NY 10603

Reichold Polymers, Inc.
Chief Executive Officer
c/o RJR Nabisco, Inc.
110 Reynolds Boulevard
Winston-Salem NC 27102

Reliance Insurance Company
Four Penn Center Plaza
Philadelphia PA 19103

Rentar Industries, Inc.
Peter Herzberg, Esq.
Greenbaum Rowe Smith Ravin
Metro Corporation Campus
Woodbridge NJ 07095

Residex Corp.
225 Terminal Avenue
Clark NJ 07066

Revere Chemical Corp.
Box 1
Revere PA 18953

Rexart Chemical Co.
1183 West Side Avenue
Jersey City NJ 07306

Richardson Graphics
Not served
Address unknown

Richardson Ink
55 Lincoln Highway
Malvern PA 19355

Richardson Paints
Not served
4821 Garden
PA

Rohm & Haas Company
Ellen S. Friedell, Esq.
Independence Mall West
Philadelphia PA 19105

Rohm & Haas Company
Kenneth D. Roth, Esq.
David Reberkenny & Abramowitz
499 Cooper Landing Road
P.O. Box 5459
Cherry Hill NJ 08002

MULTI-SITE Service Addresses
Directive Number One

Page -21-

Rohm & Haas Company
George Schnabel
Independence Hall West
Philadelphia PA 19105

Rollins Environmental Management Svc., Inc. Rollins Environmental Management Svc., Inc.
322 West 400 Bellevue Parkway
Bridgeport NJ 08014 Suite 210
Wilmington DE 19809

Rollins Environmental Services, Inc.
P.O. Box 2349
Wilmington DE 19899

Root Industries, Inc.
c/o U.S. Corporation Co.
156 West State Street
Trenton NJ 08608

Rose Ribbon & Carbon Manufacturing Co.
Not served
Address unknown

Royal Tank Cleaning Co.
711 South Columbia Avenue
Mount Vernon NY 10551

Rudy's Cesspool Service
828 Philadelphia Avenue
National Park NJ 08063

S & W Waste, Inc.
115 Jacobus Avenue
South Kearny NJ 07032

S&J Leasing Co.
Not Served
Address Unknown

S.B. Thomas, Inc.
913 Middle Street
Metuchen NJ 08840

S.C.A. Services, Inc.
Brian Clarke
Chemical Waste Management
3003 Butterfield Road
Oak Brook IL 60521

S.C.G.
Not Served
Address Unknown

S.C.M. Corporation
Chief Executive Officer
(Including Gliden Coatings & Resins Div.)
925 Euclid Avenue
Cleveland OH 44115

S.C.M. Corporation
Stanford Schmidt, Esq.
(Including Gliden Coatings & Resins Div.)
Brandt Haughey Pennberthy Lewis & Hyland
240 Route 38, P.O. Box 38
Moorestown NJ 08057

Salvatore Moscatello
c/o S & W Waste, Inc.
115 Jacobus Avenue
South Kearny NJ 07032

Sam Scerbo
548 Page Avenue
Lyndhurst NJ 07071

Sandoz Chemical Corp.
3rd Street & Fairlawn Avenue
Fairlawn NJ 07410

Sandoz Pharmaceutical Corp.
59 State Highway No. 10
Hanover NJ 07936

Sartomer Resins
Governor Printz Blvd.
Essington PA 19029

Schiavo Brothers, Inc.
Ann L. Straw, Esq.
Waste Management of N.A., Inc.
3003 Butterfield Road
Oakbrook IL 60521

MULTI-SITE Service Addresses
Directive Number One

Schiavo Brothers, Inc.
Vicki Jan Isler, Esq.
Budd Lerner Kent Gross Picillo
Rosenbaum Greenberg & Sade
150 John F. Kennedy Parkway
Short Hills NJ 07078-0999

Scientific Chemical Co.
1703 East 2nd Street
Scotch Plains NJ 07076

Scientific Chemical Processing
Not served
Address unknown

Scientific Chemical Treatment
320 Patterson Plank Road
Carlstadt NJ 07072

Scott Paper Co.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Selas Corporation of America
Frank J. Earnheart, V.P.
Limekin Pk and Dreshertown Road
Dresher PA 19025

Sequa Corporation
James W. Kiman
2000 Westchester Avenue
White Plains NY 10650

Sequa Corportion
Bernard H. Jaffe
200 Park Avenue
New York NY 10166

Service Fire Insurance of New York
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08608

Shell Oil Company
Steven J. Picco, Esq.
Greenstone & Sokul
240 West State Street
Trenton NJ 08608

Sherwin-Williams Co., Inc.
Susanne Peticolas, Esq.
Crummy DelDeo Dolan Griffinger & Vecchione
One Gateway Center
Newark NJ 07102-5311

Sherwin-Williams Co., Inc.
Carl L. Jesina, Esq.
Legal Department
P.O. Box 6027
Cleveland OH 44101-1027

Sherwin-Williams Co., Inc.
Alan Danzig, Esq.
101 Prospect Avenue, N.W.
Cleveland OH 41115-1027

Simon Wrecking Co.
Samuel Simon, President
P.O. Box 3275
Williamsport PA 17701

Slevin Enterprises, Inc.
Joseph B. Slevin
1008 Fairview Drive
Toms River NJ 08753

Solvents Recovery Svc. of New England, Inc. Solvents Recovery Svc. of New England, Inc. Solvents Recovery Svc. of New Jersey, Inc.
Lazy Lane
Southington CT 06489

Karen Gaynor Killeen, Esq.
Lawenstein Sandler Kohl Fisher & Boylan
65 Livingston Avenue
Roseland NJ 07068

Carleton H. Ball
1200 Sylvan Street
Linden NJ 07036

Somerset Tar & Asphalt
Edward R. Tozzi
Nine Hogan Court
Florham Park NJ 07932

Somerset Tar & Asphalt Co.
Edward R. Tozzi
44 DeForest Avenue
Hanover NJ 07936

Southco Inc.
Not served
Address unknown

MULTI-SITE Service Addresses
Directive Number One

Page -23-

St. Paul Insurance Co.
Atwater, McMillan, Inc.
445 Minnesota Street
Suite 900
St. Paul MN 55101

Staley Chemical Company
East Post Road
Morrisville PA 19067

State Steel Drum and Barrel
Andrew Kushnet
475 White Horse Pike
W. Collingswood NJ 08107

Statewide Environmental Contractors
Don Lotano
11 Harmich Road
South Plainfield NJ 07080

Stauffer Chemical Co.
Meadow Road
Edison NJ 08817

Stauffer Chemical Company
P.O. Box 0852
Westport CT 06881-0852

Steelmint Inc.
1204 Grant Building
Pittsburgh PA 15219

Stepan Chemical Co.
5th Avenue
Fieldsboro NJ 08016

Sukonik Barrel & Drum Company, Inc.
Not served
Address unknown

Sullivan Industries
Not served
Address unknown

Sunco, Inc.
Not served
Address unknown

Sunco, Inc.
Nathan A. Whitfield
(formerly Sunco Engineering Inc.)
493 Bloomfield Avenue
Montclair NJ 07042

Sun Insurance Co.
15 Mountain View Road
P.O. Box 1615
Warren NJ 07061

Superpac, Inc.
Clyde E. Medleycott, CEO
Southampton Industrial Park
P.O. Box 189
Southampton PA 18966

Swope Oil & Chemical Co.
Lillian Greenberg
8281 National Highway
Pennsauken NJ 08110

Sylvania Corp.
Herbert F. McCaffrey
86 Woodland Road
Madison NJ 07940

Talon Adhesives Corp.
Not served
Address unknown

Tanetex Chemical Co.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Technitrol, Inc.
3825 Whitaker Avenue
Philadelphia PA 19124

Temple Iron
c/o Powers Co.
5929 Woodland Avenue
Philadelphia PA 19143

Tenneco, Inc.
Harold F. Hess, Esq.
P.O. Box 2511
Houston TX 7701

MULTI-SITE Service Addresses
Directive Number One

Page -24-

The John C. Dolph Company
J. Dolph
New Road
Morrmouth Junction NJ 08852

Theater Magic, Inc.
Not served
Address unknown

Tokyo Marine
55 Water Street
51st Floor
New York NY 10041

Tooley's Truck Stop, Inc.
Edwin Siegel
11 Charlene Drive
Clifton NJ 07103

Total Disposal
5336 Charles Street
Philadelphia PA 19124

Transamerica Insurance Company
300 Broadacres Drive
P.O. Box 1069
Bloomfield NJ 07003

Transport Insurance Company
3090 West Market Street
P.O. Box 5343
Akron OH 44313

Trash Removers, Inc.
230 South DuPont Highway
New Castle DE 19720

Trenton Fibre Drum Co.
Jack Binder
1539 New York Avenue
Trenton NJ 08638

Triangle Publications, Inc.
Vincent F. Reilly, Esq.
Marks Kent & O'Neill, P.C.
2800 Two Mellon Bank Center
Philadelphia PA 19102-2399

Tyco Industries, Inc.
Richard Grey, President
540 Glen Avenue
Moorestown NJ 08057

Tyndale Cosco, Inc.
(formerly Tyndale, Inc.)
c/o Prentice Hall Corp System
One Exchange Place
First Jersey National Bank
Jersey City NJ 07303

U.S. Fire Insurance Company
Six Sylvan Way
P.O. Box 270
Parsippany NJ 07054

U.S. Gypsum Co.
Ralph C. Joynes, Ch. Bd.
(subsidiary of USG Corp.)
101 South Wacker Drive
Chicago IL 60606

U.S. Steel
Not served
Address unknown

Union Anasco
Carteret NJ 07008

Union Bag-Camp Paper Co.
801 Fountain Avenue
Lancaster PA

Union Steel Corp.
c/o Corporation Trust Company
28 West State Street
Trenton NJ 08608

Unisys Corporation
Township Line & Union Road
Blue Bell PA 19424

United Aero Products, Inc.
James M. Matarrese
450 Broad Street
Beverly NJ 08010

United States Liability Insurance Co.
1030 Continental Drive
King of Prussia PA 19406

MULTI-SITE Service Addresses
Active Number One

United Steel Barrel Co.
Not served
Address unknown

United Steel Barrel Co.
Not served
Address unknown

Universal Container
Universal Road
Paulsboro NJ 08066

Universal Insurance Company
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08625

Universal Insurance Company
c/o William L. Dalton Agency
206 West High Street
Glassboro NJ 08028

Universal Underwriters Insurance Co.
100 Walnut Avenue
Clark NJ 07066

UOP, Inc.
Stanley R. Stevinson, Esq.
c/o Allied Signal Inc.
Law Department
P.O. Box 2245R
Morristown NJ 07960-2245

Utica Mutual Insurance Co.
Frank Attili
Box 350
Utica NY 13513

Vergano Corp.
Not Served
Address Unknown

Vergona & Sons
Joseph V. Vergona, III
55 River Road
Edgewater NJ 07020

Versatile Products Co.
7426 Georgian Road
Philadelphia PA

Vick's Manufacturing Co.
P.O. Box V
Hatboro PA 19040

Vulcan Materials Co.
c/o Prentice Hall Corp System
150 West State Street
Trenton NJ 08608

W.M. Stevenson Co.
Walter M. Stevenson
246 Rockhill Road
Bala Cynwyd PA 19004

W.R. Grace & Co. - CT
J. Peter Grace, CEO
1114 Avenue of the Americas
New York NY 10036

W.R. Grace & Company
John LaVecchia, Esq.
Connell, Foley & Gelsner
Gateway One
Newark NJ 07102

W.R. Grace & Company
Langley R. Shook, Esq.
Sidley & Austin
1722 I Street, N.W.
Washington DC 20006

Westco, Inc.
c/o Chemquid Disposal Inc.
Five Cider Hill Road
Upper Saddle River NJ 07458

Watts - Campbell Co.
1270 McCarter Highway
Newark NJ 07104

Wausau Insurance Companies
Ten Rooney Circle
West Orange NJ 07052

Western Electric Co., Inc.
William J. Jones
100 West 10th Street
Wilmington DE 19801

MULTI-SITE Service Addresses
Directive Number One

Page -26-

Western Electric Corporation
Roger Willis, Jr.
Law Department
Gateway Center
Pittsburgh PA 15222

Western World Insurance Company
Commissioner of Insurance
NJ Department of Insurance
20 West State Street
CN 325
Trenton NJ 08625

Westinghouse Electric Corp.
1447 Chestnut Avenue
Hillside NJ 07205

Westinghouse Electric Corp.
Frederick Rom, Esq.
George J. Lavin, Jr., Associates
The Executive News
1930 E. Marlton Pike, Suite A-1
Cherry Hill NJ 08003

Westinghouse Electric Corp.
D. Danforth
Gateway Center
Westinghouse Building
Pittsburgh PA 15222

Wheaton Industries
3rd and G Streets
Hillville NJ 08332

Wheaton Plasti-Cote Corp.
J. Edward Goff
1101 Wheaton Avenue
Hillville NJ 08332

Whitford Co.
Not served
Address unknown

William F. Moscatello
c/o S & W Waste, Inc.
115 Jacobus Avenue
South Kearny NJ 07032

Willing B Wire Co.
Walter A. Koenig
170 Bridgeboro
Moorestown NJ 08057

Wilmington Chemical Co.
Pyles Land, Hamilton Pa
Wilmington DE 19899

Worthington Biochemical Corp.
Lawrence A. Friedman, Esq.
207 Omni Drive
Somerville NJ 08876

Wyeth Laboratories, Inc.
Dr. Bernard Canavan
P.O. Box 8299
Philadelphia PA 19101

X-Cal, Inc.
Robert Abramowitz, Esq.
300 Terhune Avenue
Passaic NJ 07055

Zeigler Refuse Co.
P.O. Box 2007
York PA 17405

DEPARTMENT OF ENVIRONMENTAL PROTECTION
POLLUTION CONTROL MONITORING, SURVEILLANCE AND ENFORCEMENT

COMPLAINT # 878

REPORT OF PHONE CALL
VISIT

In _____ Out _____ File _____
Date 9-24-76 Time 4:20 Routing _____

Person Contacted ANONYMOUS
Mr. & Mrs. Dirk Nieuwduyn 201 473-6937 OFFICE
Affiliation Home across the Passaic River Phone No 427-9715 HOME

Subject of Call S.C.R. "SCAVENGER DUMPING INTO
Visit PASSAIC

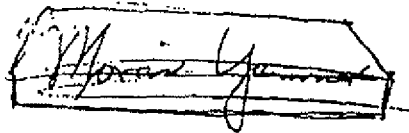
Summary of Call S.C.R. (Scavenger services)
Visit is dumping into the Passaic River
on a daily basis. The dumping
that was called in today occurred
approximately 3:00 PM. At the time
I talked with Mrs. Nieuwduyn there was no
dumping taking place.
9-25-76

Actual name and location of firm doing
the dumping is believed to be
GRES ENVIRONMENTAL SERVICE CORP.
253 RIVER DRIVE
PASSAIC, NJ

GRES WARDUSEVICH INVESTIGATED LOCATION ON 9-25-76
NO DUMPING, PLACE APPEARED TO BE CHECK

Action Recommended Will investigate on Monday

[Signature]
Signature



Johanna Varnem
to us
in Newark

Clark ~~for~~ Price -
Edison E.P.A.

Citizen

Witness → Dick Nieuw dorp
(201) 773-6937 - Office
429-9715 Home

witnessed S.C.A. Truck dumping
sewage into a storm drain
where Rte 21 North
crosses Passaic River