#### INVESTIGATION

	DWM FILE #: 07-14-155
	TIME ARRIVED: 1000
INVESTIGATOR: El Pallips / arnold solif	DATE: 12/8/88 TIME DEPARTED: 1400
LOCATION: Dan Chemical Company	PROPERTY OWNER: Clan Chemical Co.
ADDRESS: 268 Doremus age.	MAILING ADDRESS: Jan.
Mewark County . Cosex	
BLOCK: 4014 LOT: Y	RESPONSIBLE PARTY Elen Chemical Co.
LOCATION TELEPHONE #: 201-344-8014	ADDRESS: Sau.
EPAID #: NT 042 895680	1001003
LOCAL HEALTH DEPT. REP.	TELEPHONE #:
ORIGIN OF COMPLAINT: Bob Dwales - Ch 1	Nava TELEPHONE #
NATURE OF COMPLAINT: Chemical spills	
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Pink - Investigator

Page 2 of 7

## INVESTIGATION

CASE #.	88 -12	-15	-0731
DATE _	12/8/	s	

RECOMMENDATIONS AND CONCLUSIONS:
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Pink · Investigator 847550005

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Page 3 of 7

# INVESTIGATION

CASE # 8	8-12	- 15	-0731
	12/8		

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Pink - Investigator

RECOMMENDATIONS AND CONCLUSIONS:

#### INVESTIGATION

CASE #	<u>88 - 1.</u>	2 -15	-0731
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Supervisor Signature Investigator Signature

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## **INVESTIGATION**

CASE # 88 - 12	-15-073
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Supervisor Signifure	To Phillip
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Pink · Investigator

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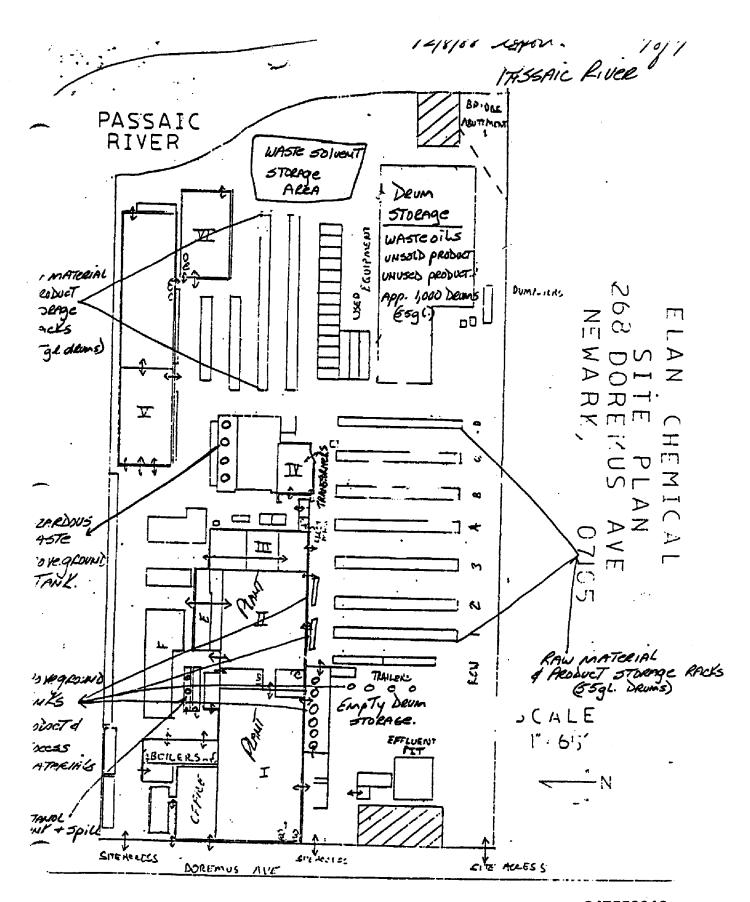
Page 6 of 7

# INVESTIGATION

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Supervisor Elegature	Ed Phillips Investigator Signature
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Yellow - Local Health Dept.

Pink . Investigator



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# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT

## INVESTIGATION

CASE #: 58-12-15-0731	DWM FILE #: 07-14-155
Co Mag.	TIME ARRIVED: 1020
INVESTIGATOR: & Bullings	DATE: 4/3/89 TIME DEPARTED:
LOCATION Con free Clarical Co	PROPERTY OWNER: Flor line.
ADDRESS: 268 Dorenus ave	MAILING ADDRESS:
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BLOCK: 4014 LOT: 8	RESPONSIBLE PARTY Slaw She
LOCATION TELEPHONE #: 201-344-8014	ADDRESS: Same
EPAID #: <u>MITO 042895 680</u>	
LOCAL HEALTH DEPT, REP.	TELEPHONE #:
ORIGIN OF COMPLAINT:	TELEPHONE #:
NATURE OF COMPLAINT: Follow up inves	testin
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Pink - Investigator

Form DWM-061 B 1/86

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# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT

Page 2 of 2

# INVESTIGATION

<u>.</u>	CASE * 88 - 12 - 15 -0931
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RECOMMENDATIONS AND CONCLUSIONS:	
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Supervisor Signature	Ed Parelin
<del>-</del> ·	Investigator Agnature

Yellow - Local Health Dept.

Pink - Investigator

# DESIGN OF HAZARDOUS WASTE MANAGEMENT HAZARDOUS WASTE INSPECTION REPORT

DWM-325

# GENERATOR INSPECTION REPORT

•	FACILITY INFORMATION
	FACILITY NAME: Clar Chemical
	FILE NUMBER: 07-14-155
	VHT FACILITY FILE NUMBER:
	PERMIT #:
	REGION: M
	INSPECTION DATE: 6-14-90
	INCIDENT/CASE NUMBER:
	INSPECTION TYPE: Merenatin
	RESPONSIBLE AGENCY CODE:
	INSPECTOR'S NAME: Jodie Steen
	INSPECTOR'S AGENCY: UTDEP
	INSPECTOR'S BUREAU: DHILLIM
	EPA 10 NUMBER: 4350042895680
	ADDRESS: DOROMUS AVE
	NEWARK NJ 07108
	LOT: 8,20 BLOCK: 4014
	COUNTY: 5558X
	PACILITY PERSONNEL: John 19551619 Des
	TELEPHONE 4: 201 - 344-8014
	OTHER STATE/EPA PERSONNEL:
	REPORT PREPARED BY: JOSTE Stein
JUN 2 D RECT	REVIEWED BY: OASterling
	DATE OF REVIEW: 7/31/90

REVISION: 3 01/88

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# SUPPARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS:

# SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS (continued).

# SUMMARY OF FINDINGS

Waste not signigated. 847550035

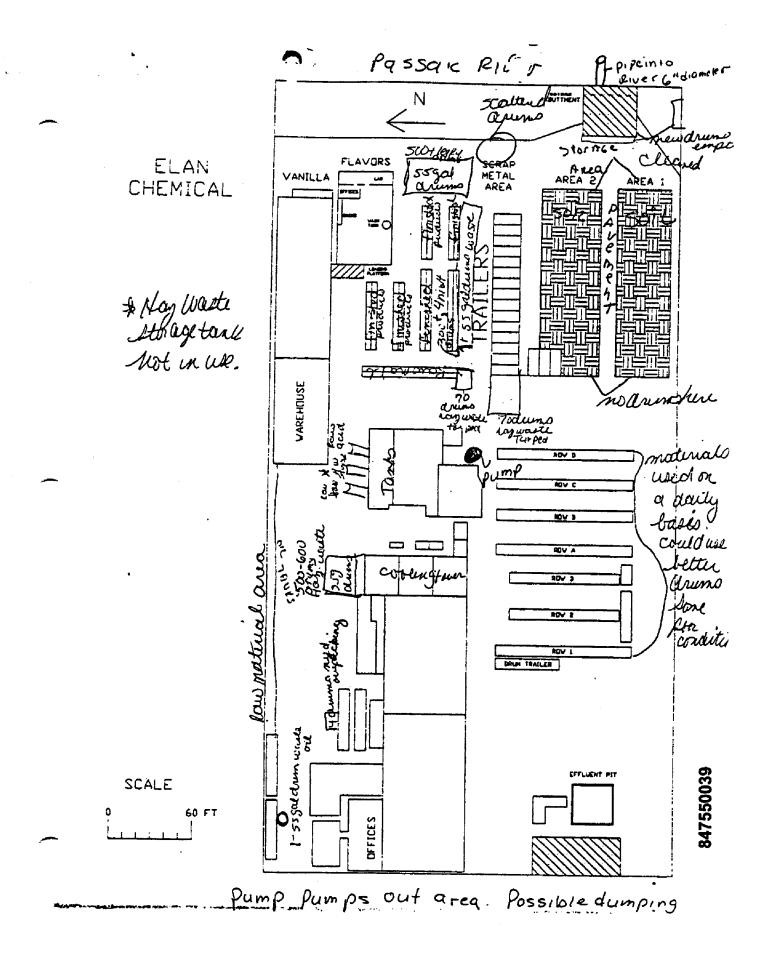
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FACILITY DESCRIPTION AND OPERATIONS (continued):
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### NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

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FAX: (201) 344-1948

February 16, 1995

Mr. Lance R. Richman, P.G. Emergency and Remedial Response Division U.S. Environmental Protection Agency 26 Federal Plaza Room 13-100 New York, New York 10278

> Re: Request for Information Under 42 U.S.C. 9601 et seq. and 42 U.S.C. 6901 et seq.; Diamond Alkali Superfund Site, Passaic River Study Area

Dear Mr. Richman:

This letter is in response to a letter received on January 5, 1995 by Elan Chemical Company, Inc. dated January 3, 1995 from Kathleen Callahan, Director of Emergency and Remedial Response Division of the U.S. Environmental Protection Agency. The letter references the Diamond Alkali Superfund Site, Passaic River Study Area. Elan's response is being made within the time frame allowed by the extension granted until February 21, 1995.

Attached are the responses prepared by Elan Chemical Company.

Please call if you have any questions.

Very truly yours,

David Weisman

cc: Ms. Patricia C. Hick
Assistant Regional Counsel
Office of Regional Counsel
Room 310
26 Federal Plaza
New York, New York 10278
bcc: Jeffrey M. Schawartz, Esq.
Randi Schillinger, Esq.

# ELAN CHEMICAL COMPANY, INC. RESPONSES TO ENVIRONMENTAL PROTECTION AGENCY REQUEST FOR INFORMATION

#### QUESTION 1.

Since December 30, 1977, Elan Chemical Company, Inc. ("Elan") has operated at a portion of the current facility. A copy of the 1977 deed is located at Appendix 1. On April 24, 1983, Elan acquired additional property adjacent to the property acquired in 1977. A copy of this deed also is located at Appendix 1. Since 1983, the Elan facility has consisted of both parcels of property. Please refer to the response to question 15, for an explanation of the corporate history of Elan at this facility.

#### QUESTION 2.

- a) Elan currently holds no RCRA permits and, to our knowledge has not held a RCRA permit in the past. Elan is currently permitted to accumulate hazardous waste for ninety days or less in a 10,000 gallon above-ground vertical carbon steel tank. See Appendix 2.a) for a copy of New Jersey Department of Environmental Protection ("DEP") authorization letters. Elan's EPA Identification Number is NJD 042-895-680.
- b) Elan currently holds no Federal Water Pollution Control Act ("WPCA") permits and, to Elan's knowledge has not held a WPCA permit in the past. Elan currently holds a Passaic Valley Sewerage Commission Sewer Connection Permit ("PVSC Permit"), Permit No. 20 40 3242. The effective date of the current permit is April 14, 1991. Elan has held PVSC Permits since April 1981. Copies of the current PVSC Permit and Elan's past PVSC Permits are located at Appendix 2.b).

#### QUESTION 3.

2,3,7,8, tetrachlorodibenzo-p-dioxin	
or other dioxin compounds	No
Benzy chloride	Yes
Methyl ethyl ketone	Yes
Benzene/ethyl benzene	Yes
Toluene	
Acetone	Yes
Xylene	Yes
Hydrochloric acid	Yes

#### QUESTION 4.

a) Elan is in the business of manufacturing chemicals which are used by the food flavor and fragrance industries. Various catalysts and processing aids are typically utilized in the manufacturing process. A list of Elan's current raw materials and finished products are provided at Appendix 4.a).

The manufacturing process is a batch process and typically consists of three major steps:

Step 1 - Reaction.

During the reaction step the raw materials, catalysts and processing aids (solvents, etc.) are loaded into a reactor. Typically, heat is applied for a period of time during which the reaction mixture is agitated.

Step 2 - Wash

At the end of the reaction step the reaction mixture is typically washed with water or a mildly caustic solution to remove the un-reacted acids. This is accomplished in the reactor or a wash tank.

Step 3 - Purification

Purification is typically achieved by vacuum distillation. During this step the solvents and unreacted raw materials are removed from the reaction mixture, thereby isolating the finished product. This is accomplished in specially equipped distillation stills.

The recovered solvents are reused until they are degraded.

After purification, the finished product is drummed and shipped to customers.

The materials listed in question 3 are not a product or byproduct of the manufacturing process. In addition, we do not
believe that other hazardous substances are a product or byproduct of the manufacturing process. Please refer to a copy
of the product list provided at Appendix 4.a). Hazardous
substances are utilized as either (i) raw materials, which
are converted into new compounds during the manufacturing
process, (ii) processing aids, or (iii) solvents, which are
materials that are not chemically altered and are recovered
for reuse in subsequent batches.

b) We do not believe that our manufacturing processes involve the generation of hazardous substances. Please refer to our product list provided at Appendix 4.a). As explained in the

response to question 4.a) above, Elan utilizes hazardous substances as part of its manufacturing process in its raw materials catalysts and processing aids. Solvents are recovered during the Purification step when the product is isolated from the un-reacted raw materials. These recovered solvents are reused until they are degraded. When the solvent is no longer usable it is disposed of as a hazardous waste.

- i) The recovered solvents are better than 95% pure. The remaining 5% is typically comprised of unreacted raw materials, product and water. The recovered solvent is most likely to be reused in the subsequent production batch in the Reaction step.
- ii) We do not believe any hazardous substances are generated in finished product. (Please refer to the responses to questions 4.a) and 4.b)).
- iii) When solvents are degraded and no longer usable, they are disposed of as a hazardous waste. Such hazardous wastes are currently combined in one waste stream from the entire production facility.

#### QUESTION 5.

Hazardous substances which constitute raw materials utilized in Elan's manufacturing activities are delivered to Elan from vendors in Department of Transportation approved packaging. Solid materials are packed in polyethylene lined fiber drums or polyethylene lined paper bags. Liquids are enclosed in 55 gallon steel or 55 gallon plastic drums. Some materials are packed in 15 or 30 gallon plastic or steel drums. Some materials are delivered in bulk tanker trucks.

These new raw material hazardous substances are stored on site (Elan does not have any off-site storage facilities) in designated areas in drums on pallet racks resting on paved surface. There are separate storage areas for poisons, corrosive materials, flammable materials and non-hazardous materials. Materials delivered in bulk tanker trucks are stored in bulk storage tanks. Where applicable, bulk storage tanks are equipped with conservation vents and each vent is permitted by the DEP.

Unfinished products which await additional processing are stored in 55 gallon steel or plastic drums on pallet racks in the designated "Work In Process" area of the property.

Recovered solvents that are reused are stored in 55 gallon steel or plastic drums on pallet racks in the designated "Work In Process" area of the property.

Spent solvents are classified as hazardous waste and are pumped directly to the accumulation tank mentioned in the response to question 2.a). Please refer to Appendix 5 for a copy of Elan's DEP approved DPCC Plan for a detailed description of the storage facilities.

- Yury Langer is the Environmental and Safety Manager a) currently responsible for the proper handling of hazardous waste at Elan. Yury Langer's home address is 26 Pomona Road, P. O. Box 135, Pomona, New York 10970, (914) 362-6753. Mr. John Vassiliades, the production manager at Blan, is currently responsible for the proper handling of hazardous substances, other than hazardous waste at Elan. Mr. Vassiliades home address is 189-144 44th Evenue, Flushing, New York 11358 (718) 353-0777. Prior to Mr. Langer, Mr. Albert Roque, who resigned from Elan and moved out of State in May of 1994 was responsible for the handling of hazardous waste at Elan. Mr. Roque held this position since 1993. Mr. Roque's address is 608 Bronwood Estates, Fort Smith, Arizona 72916. Prior to Albert Roque, the responsibilities for proper handling of hazardous substances (including hazardous waste) were a part of Mr. Vassiliades' position, since 1978.
- b) Oldover Corp., State Road 652, Arvonia, VA 23004
  Marisol Inc., 125 Factory Lane, Middlesex, NJ 08846
  S&W Waste, Inc., 105 Jacobus Avenue, So. Kearny, NJ 07032
  Cycle Chem Inc., 217 So. First St., Elizabeth, NJ 07206
  SCA Chemical Services, Co. 100 Lister Ave., Newark, NJ
  07105
  Solvent Recovery Service of NJ, Inc., 1200 Sylvan Street,
  Linden, NJ 07036
  Laidlaw Env. Services, 2815 Old Greenbrier Pike,
  Greenbrier, TN 37073
- c) Please refer to the response to question 5 above with respect to Elan's current storage practices. New raw materials, unfinished product and recovered solvents to be reused have, throughout Elan's history, generally been stored as described in the response to question 5 above except certain of the surfaces upon which the drums were stored may not have been paved. With respect to hazardous waste, prior to Elan having a DEP approved accumulation tank for hazardous waste, Elan stored the spent solvents in a 4500 gallon above ground storage tank and/or in 55 gallon steel drums. These drums were accumulated and stored on site in a designated area on

pallet racks. The waste was shipped to the facilities mentioned in response to question 5.

#### QUESTION 6.

- a)
- At least from 1977, the date of Elan's organization, the process waste water stream from the facility has been connected to a sanitary sewer system.
- ii) The process waste water stream is currently pretreated and has been pretreated since 1986. From 1986 through approximately December 1991, the pretreatment process consisted of aeration and Ph adjustment. In January of 1992, extraction with Isopar H to remove organics was added to the pretreatment process.
- iii) Please see response to question 6(a)(i).
- b) i) At least from 1977, the date of Elan's organization, the floor drains have been connected to a sanitary sewer.
  - ii) Pretreatment of the waste stream commenced in 1986. Floor drains direct waters (wash waters, rain waters) to sump pumps which pump the waters to the pretreatment system as described above, and which are ultimately discharged to the sanitary sewer.
  - iii) See response to question 6b)(i) above.
- c) i) A map of unknown origin, dated April 16, 1968, found in Elan's historical files makes reference to a waste pond on the property. No information is known about the pond. Please see Appendix 6c)(i) for a copy of the map.

Prior to 1985, Elan utilized a cistern, located to the left of its entrance door, to collect process effluent before its discharge into the sewer. The cistern has been sealed.

- ii) We have no knowledge if the pond was lined or unlined.
- iii) We have no information regarding any treatment or discharges from the pond.

d) Please refer to Appendix 6.d) for a diagram of Elan's waste water collection and pre-treatment system.

#### QUESTION 7.

- a) Hazardous substances, including the substances listed in response to item (3) or identified in the response to item (4), were not generated during the operation of the facility. As indicated above, at the response to question 4, hazardous substances were utilized as raw materials or processing aids, and solvents are recovered and reused. When the solvents are no longer reusable, they are disposed of as hazardous waste. Please refer to Appendix 7 for copies of Elan's manifests.
- b) There has been no disposal or discharge of hazardous substances into the Passaic River since 1977, the date of Elan's organization. There is no data available prior to 1977.

#### QUESTION 8.

We know of no incidents that resulted in discharges of hazardous substances to the Passaic River.

With respect to incidents resulting in releases of hazardous substances onto the property:

- 1. On November 4, 1992, a small fire occurred at the Elan facility. During the Fire Department's attempts to extinguish the fire, several wooden pallets were ignited which ultimately caused four plastic drums containing 20-25 gallons of benzy chloride to melt. \* Prior to this time, there had not been a leak of hazardous substances. When the plastic drums melted, the contents leaked. The area where the drums melted was paved, pitched and bermed. The Fire Department immediately informed the DEP of the leak. Elan personnel were present when the Fire Department notified the DEP of this leak. Once the fire was extinguished, all further action ceased until the DEP arrived at the scene. Upon the DEP's arrival, cleanup activities were performed, a vacuum and absorbent speedy dry was utilized. Please refer to Appendix 8 for relevant documents relating to this incident.
- In or about the summer of 1989, certain drums (some determined to contain hazardous substances) stored in a then unpaved gravel area of the property, were determined by the DEP to have corroded and leaked. DEP required a delineation of the contamination in this area. Soil

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sampling of the area was undertaken. Remediation for the area was conducted under a "Memorandum of Agreement" entered into on August 27, 1992 with the DEP. The contaminated area was encapsulated with DEP approval. Please refer to Appendix 8 for relevant documents relating to this incident.

#### QUESTION 9.

Please refer to the response to question 8 above for the date of incidents involving discharges of hazardous substances onto the property.

With respect to incidents involving discharges of hazardous substances into the wastewater system, we are unaware of any specific incidents involving a discharge into the wastewater system. We do not consider PVSC Permit excursions as discharges and accordingly, have not treated them as such.

#### QUESTION 10.

- a) The facility is subject to flooding due to:
  - i) flood overflow from the Passaic River, and
  - ii) overflow from sanitary sewer back-up.
- b) November 8, 1993 the facility was flood by the overflow from the Passaic River. The flood lasted approximately 5 hours.

December 11, 1992 the facility was flooded by the overflow from the sanitary sewer and overflow from the Passaic River. The facility was flooded for 3 days.

In January 1988, the facility was flooded by the overflow from the Passaic River. The facility was flooded for 6 hours.

#### QUESTION 11.

A. On July 12, 1993, the DEP issued a Notice of Violation to Elan alleging (i) the failure of Elan to prepare a manifest before transporting or offering for transport hazardous waste offsite in violation of N.J.A.C. 7:26-7.4(a)3, and (ii) the failure of Elan to determine if waste is hazardous, in violation of N.J.A.C. 7:26-8.5(a). On October 19, 1993, Elan received from DEP a Notice of Civil Administrative Penalty Assessment assessing penalties for these alleged violations.

Elan requested and was granted an adjudicatory hearing.

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Settlement negotiations ensued and a Stipulation of Settlement was filed with the State of New Jersey Office of Administrative Law (OAL) on July 13, 1994. The OAL issued a Decision Approving Settlement on July 15, 1994 resolving this matter.

Please refer to Appendix 11.A for copies of relevant pleadings and related documents providing additional detail with regards to this matter.

B. On January 5, 1994, the Passaic Valley Sewerage Commissioners (PVSC) filed suit against Elan alleging that Elan violated the provisions of N.J.S.A. 58:14-1 et seg. by discharging pollutants in excess of the discharge limitations of its PVSC Permit No. 20403242, the rules and regulations of the PVSC, and the Organic Chemicals, Plastics and Synthetic Fibers ("OCPSF") Categorical Pretreatment Standards adopted by the EPA at 40 C.F.R. 414.

On February 10, 1994, Elan filed its Answer. Subsequently, a pretrial conference was scheduled by the court for May 27, 1994. The court also scheduled a trial date of July 11, 1994. Settlement negotiations ensued. These negotiations yielded a verbal settlement of this case. Presently, as evidenced by the attached correspondence, the parties are revising the terms of a proposed Consent Order and Final Judgement. It is expected that the terms of Order will be finalized shortly, thereby resolving this matter.

Please refer to Appendix 11.B for copies of relevant pleadings and related documents providing additional detail with regards to this matter.

C. On April 22, 1991, Elan was served with an Administrative Order and Notice of Civil Administrative Penalty Assessment issued by the DEP. The DEP alleged that Elan violated the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seg. and the regulations promulgated thereunder. The Order alleged, among other things, leakage of the drums in the then hazardous waste storage area. (This is the same drum leakage referenced in our response to question 8 above.) Elan contested this action and on May 6, 1991 requested an administrative hearing to adjudicate the findings and penalty assessment set forth in the Administrative Order. Elan's request for an adjudicatory hearing was granted by the DEP.

A telephone prehearing conference was held in this matter on July 22, 1992. Subsequently, a Prehearing Order was issued by the court on August 5, 1992 (amended on October 30, 1992). Thereafter, the parties exchanged interrogatories. During the same time period, the parties entered into a "Memorandum of Agreement" and Elan agreed to encapsulate the entire former

drum storage area with impermeable asphalt cover. Please refer to response to question 8.

In December 1992, the court scheduled a hearing to decide this matter. However, by letter dated January 26, 1993 the parties notified the court that a settlement had been reached and a Stipulation of Settlement was filed with the State of New Jersey Office of Administrative Law (OAL) on March 17, 1993. The OAL issued a Decision Approving Settlement on March 29, 1993 resolving this matter.

Please refer to Appendix 11.C for copies of relevant pleadings and related documents providing additional detail with regards to this matter.

We do not consider a Notice of Violation letter that was not ultimately incorporated into a formal DEP administrative order and notice of civil administrative penalty or into a formal complaint to be a "proceeding" against Elan and, have not treated them as such.

#### QUESTION 12.

Please refer to Appendix 12 for copies of Elan's Manifests.

The following documents relating to the purchase, use and handling of hazardous substances at Elan have not been supplied with this Request For Information, but are available upon request.

- a) Purchase Orders for Raw Materials Elan's purchase orders for raw materials, for the last two (2) years are stored in trailers on site, at the facility. The purchase orders are filed by vendor name, in chronological order. Each purchase order is attached to its shipping and receiving documents and a copy of payment to the vendor. Due to the volume of these documents, they have not been supplied with this request.
- b) Production Batch Records Elan's production batch records for the past six (6) months are retained at the facility by John Vassiliades, Vice President of Production. These records contain a detailed description of the raw materials utilized, their quantities, the temperature, pressure or other relevant information as to a particular manufacturing process. Due to the volume of these documents, they have not been supplied with this request. If these documents are requested, Elan considers the information in these documents to be confidential and will, if requested, to provide these documents, assert a claim of confidentiality as to such documents.

Material Safety Data Sheets (MSDS) - Elan's MSDS for each raw material hazardous substances is retained at the site. Hard copies are kept by Mr. John Vassiliades in the production office. Yury Langer, Environmental and Safety Manager also retains copies on CD Rom. Due to the volume of these documents, they have not been supplied with this request.

#### **QUESTION 13.**

In addition to the documents provided in the foregoing responses please refer to Appendix 13 for additional documentation. We do not consider the sampling conducted of our process wastewater and reported on Elan's Pretreatment Monitoring Reports submitted to PVSC to be results of "any other environmental media performed at the facility" and accordingly have not included these monitoring reports at Appendix 13.

#### QUESTION 14.

- a) Please refer to response to question 1. Pursuant to a deed dated December 30, 1977, Elan purchased a portion of the current facility from the New Jersey Economic Development Authority. Pursuant to a deed dated April 24, 1983, Elan purchased a portion of the current facility from Consolidated Rail Corporation. Please refer to Appendix 14 for a copy of each of the deeds and other relevant documents of sale.
- b) Not Applicable
- c) Please refer to response to question 15.f) below.

#### Answer to Question 15.

- a) Elan Chemical Company, Inc.
- b) Ira B. Kapp Chairman of the Board Jerry Guerrara President Vice President David Weisman Secretary/Treasurer

all located at: Elan Chemical Company, Inc. 268 Doremus Avenue Newark, New Jersey 07105

c) State of Incorporation - New Jersey.
Registered Agent - Jeffrey M. Schwartz, Esq.

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Saiber Schlesinger Satz & Goldstein One Gateway Center Newark, New Jersey 07102

d) Attached at Appendix 15 are Elan's:

Certificate of Incorporation 9/26/77
Certificate of Amendment 1/4/78
Certificate of Amendment 12/29/93

- e) No subsidiaries or affiliates.
- f) The present Elan Chemical Company, Inc. was organized in 1977.

In May of 1964 a corporation under the name Elan Chemical Company ("Elan-Conn") was incorporated under the laws of the State of Connecticut. Elan-Conn acquired the assets of another chemical company in 1964 and commenced business operations as a manufacturer of chemicals in Springdale, Connecticut.

In 1968, Elan-Conn acquired the facility located at 268 Doremus Avenue, Newark, New Jersey from Essex Chemical Co. Elan-Conn qualified to do business in New Jersey and began operating at the Doremus Avenue site. In 1971, the owners of Elan-Conn, via a tax-free "F Reorganization," organized a New Jersey corporation and liquidated Elan-Conn into the new New Jersey corporation. The effect of this reorganization was to convert Elan-Conn from a Connecticut corporation into a New Jersey Corporation ("Old Elan-NJ").

In September 1977, Felton International, Inc. ("FII"), a New York corporation doing business in Brooklyn, organized the present Elan Chemical Company, Inc. ("Present Elan") as a New Jersey subsidiary for the purpose of acquiring Old Elan-NJ from its then owners, Messrs. Herbert Halpern, Herman Kaplan and Harold Kwart. The acquisition was effected via a complex transaction designed to provide for the availability of New Jersey Economic Development ("E.D.A.") financing for a portion of the assets to be acquired. Present Elan was originally incorporated by FII under the name Elan Acquisition Corporation.

The acquisition transaction was comprised of a series of steps, which were all concluded on the same day:

1. First, Elan Acquisition Corporation (as a subsidiary of FII) purchased 56% of the shares of Old Elan-NJ and the E.D.A. purchased the remaining 44% of the shares. E.D.A. paid for its shares by issuing E.D.A. bonds to the sellers.

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- 2. Then, Elan Acquisition Corporation and E.D.A. immediately liquidated Old Elan-NJ, with the real estate and tangible depreciable assets of Old Elan-NJ being distributed to E.D.A. and the remaining assets of Old Elan-NJ being distributed to Elan Acquisition Corporation.
- 3. Then, all of the real estate and tangible depreciable property received by E.D.A. on the liquidation was sold to Elan Acquisition Corporation for an amount equal to the face amount of the E.D.A. bonds issued to the sellers.
- 4. Elan Acquisition Corporation, after the foregoing series of steps, acquired all of the assets of Old Elan-NJ, and the sellers held E.D.A. bonds having a value equal to the value of the corporation's real estate and tangible depreciable property.
- 5. Elan Acquisition Corporation then changed its name to Elan Chemical Company, Inc. (referred to above as Present Elan).

Thereafter, until July 1985, Present Elan conducted its business operations as a New Jersey subsidiary of FII. In July 1985, FII terminated its operations and liquidated. A portion of its assets were assigned to a liquidating trust established for the benefit of FII's shareholders. Among the FII assets assigned to the liquidating trust was the stock of Present Elan.

In July 1986, five individuals purchased the stock of Present Elan from the liquidating trust: D. Weisman (35%), I. Kapp (35%), D. Katzman (10%), J. Scharf (10%) and J. Guerrera (10%). At such time, the said five individuals also purchased a vanilla business from the liquidation trust as a partnership, Elan Food Laboratories (the "Partnership").

In 1989, Katzman's interests in Present Elan and the Partnership were redeemed by such entities, and the other four principals continued as the remaining owners.

- g) Please refer to the response to question 15.f)
- h) Please refer to the responses to question 15, above.
- i) Herman Kaplan Garden Road Harrison, New York 10528

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Herbert Halpern 12 Fenimore Drive Harrison, New York 10528

Harold Kwart 203 Cheltenham Road Newark, Delaware 19711

Ira Kapp ) all located at:
David Weisman ) 268 Doremus Avenue
Jerry Guerrera ) Newark, New Jersey 07105
Jerome Scharf )

David Katzman 20-G Weavers Hill Greenwich, Connecticut 06931

As to changes in ownership, please refer to the responses to question 15, above.

#### QUESTION 16.

The answers to this "Request for Information" were prepared by

Yury Langer Environmental & Safety Manager Elan Chemical Company, Inc. 268 Doremus Avenue Newark, New Jersey 07105 Tel.: 201-344-8014, Ext. 110 and

David Weisman, President Elan Chemical Company, Inc. 268 Doremus Avenue Newark, New Jersey 07105 Tel. 201-344-8014, Ext. 125

Yury Langer has limited personal knowledge of the responses and was assisted by the following Elan personnel

John Vassiliades V.P. Production Elan Chemical Company, Inc. Home Address: 189-14 44th Avenue Flushing, New York 11358 Question 8

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Karol Sulimirski
Plant Manager
Elan Chemical Company, Inc.
Home Address:
11 Mile Road
Suffern, New York 10901

Questions 1-7, 9-14

In addition, this "Request for Information" was prepared based on review of corporate and other documents by our attorneys, and employee interviews.

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#### CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

STATE OF NEW JERSEY)
COUNTY OF ESSEX )

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

David Weisman
Name (print or type)

President

Title (print or type)

mas (sel como

Signature

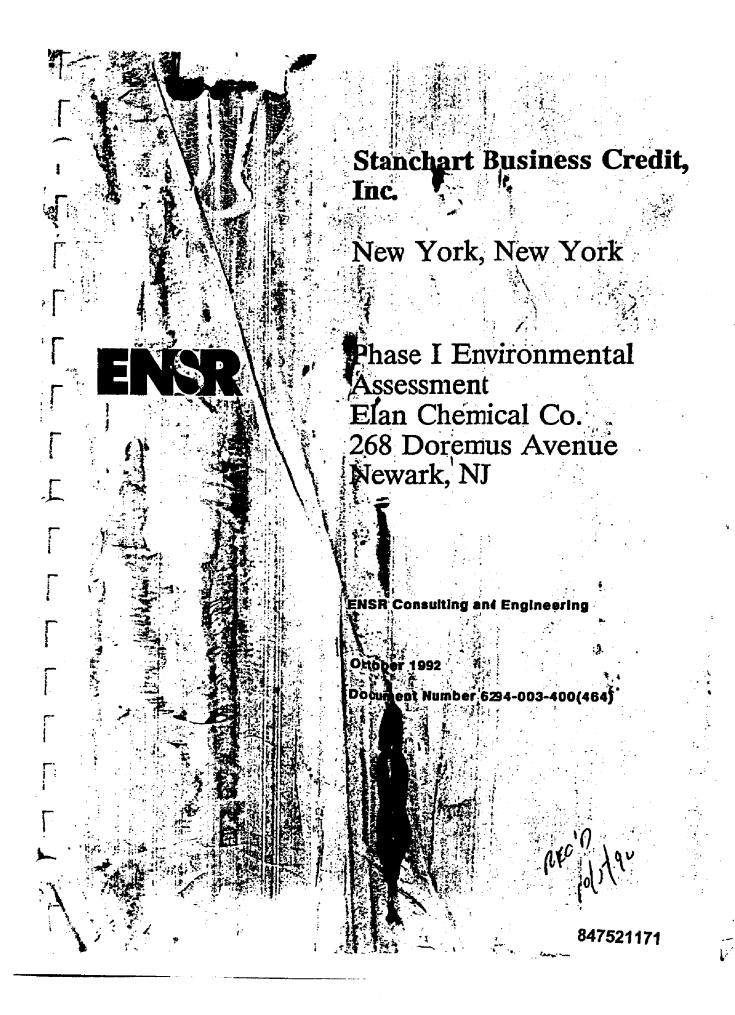
Sworn to before me this // day of February, 1995.

Notary Public

JOANNE E. HOFFMANN Notary Public of New Jersey My Commission Expires October 20, 1997

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October 2, 1992

Mr. Donald Flores Stanchart Business Credit, Inc. 477 Madison Avenue, 20th Floor New York, New York 10022

Re: Phase I Environmental Assessment
Elan Chemical Co. Property
268 Doremus Avenue, Newark, New Jersoy

Dear Mr. Flores:

ENSR Consulting and Engineering (ENSR) is pleased to subnit its Phase I Environmental Assessment of the above referenced facility. This evaluation was performed pursuant to ENSR's written proposal dated September 10, 1992, which was approved by you the same day. We understand this assessment was requested to provide you with information to assist in your decision regarding the issuance of a credit extension to Elan Chemical Co.

The details of the scope of the investigative effort are provided in Exhibit A. The following paragraphs summarize our inial findings: provide recommendations regarding the need for future investigative activities, and discuss study limitations.

Site Location and Description

The subject site consists of thin parcels (Lots 8, 9, and 20 of Bock 5014) which contain a main manufacturing building win attached offices, and ancillay rooms, and two other significant structures used for varehousing and other production activities. These parcels of land are situated on Doremus Avenue in an industrialized section of Newark, NJ.

### Site History

The main parcel (Lot 8) was dveloped Sometime prior to the late 1940sind conseveral names for the manufactung of pon a review of industrial directoris and fithe main parcel in 1971. In 1977Lot 20, Co. by the Central Railroad of lew Jeremoved from this parcel and Ela bega

of to the late 1920s as a vegetable oil plant. Ing through the 1960s, the site was used under and a variety of sealings and coatings. Based liarice maps, Elan Cremical Co. began using liroad right-or-way, was sold to Elan Chemical Railroad tracks and the elevated fill were and this area for storage.

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ENSR Consulting and Engineering

One Executive Drive Somerset, NJ 08873 (908) 560-7323 (908) 560-1688/FAX

Somerset Executive Square 1



Octol 2, 1992 Mr. Duld Flores Page 2

# Description of Current Site Uses

The properts currently used to manufacture ingredients for the food flavoing industry. The manufacting activities consist in the batch processing of various acids and batch specific alcoh, involving reactions, pH adjustments, and distillations. Sciven, are also used in the process. The principal wastes generated by the processes are wastewater and water-soluble compounds, and waste solvents. Wastewater is pre-treated on site before being discharge to the local sewage authority. Solvents are recycled into the processing operations until by are no longer useable. They are then stored onsite in 55-gallon drums before pumped in an aboveground 4,500-gallon storage tank prior to off-site disposal. A large portion of be exterior property is used for the temporary storage of chemical intermediates (i.e., ork in progress") in 55-gallon drums.

#### Summary of Finding

Based upon the historical search, review of facility provided reports and correspondence, limited review of government waste incident files and databases, interviews with site representatives, and the one visual inspection of the property, evidence was found to indicate that there has been ontamination problem affecting the subject site related to leaking hazardous waste dru. During the course of the investigation, several other sources of potential concern is identified, each provided reports and correspondence, limited reports and correspondence, limited reviews with site representatives.

## Former Drum Storage.a

The unpaved area currently users scrap metal storage was formerly used (as tate as 1990) to store 55-gallon drums of zardous waste selvents. Several inspections by the New Jersey Department of Eulror ental Protecting and Energy (NJDEPE) Division of Hazardous Waste Managemer from 988 through 1990 resulted in Notice of Violations (NOVs) for violations including north labelling of the tardous waste drums, discharge of hazardous substances from lexing discharge of failure to hip hazardous waste offsite within 90 days, and manifesting and ther correctly plant reficiencies.

Elan Chemical Co. hired a constant what 1991 and 192 conducted soil boring sampling in areas of stained soil. Our reviw of the 19 sampling state indicates a number of the 19 state in the New Jersey Register of February 3, 1992 (N.J.A.C. 7:26). The 1993 state is were developed for residential and non-residential surface soil: substate et its state and pullding interiors in order to expedite the cleanup i various faces the sampling state.



Octob<sub>2, 1992</sub> Mr. Do<sub>'d</sub> Flores Page 3

cleanup strards are only proposed at this time, the NJDEPE happrojects that hey are using these proposed regulations as guised ENSR on other appropriate tions for potential areas of concern. In addition, chrops in determining all the sampl in concentrations as high as 1230 ppm. There is not was detected in standard for comium at this time; however, a guideline of 100 ppm happosed cleanup past. Elan Chrical Co.'s consultant proposed to encapsulate the area in used in the Memorandum agreement was entered into between NJDEPE and Elan Chrical Co. on August 27, 1992 llowing the area of concern to be encapsulated as propose we wish to point out that it NJDEPE has informed Elan Chemical Co. that leaving containants in place that may beed the New Jersey Proposed Cleanup Standards, when and if promulgated, may quire a deed restriction on the property. In addition, other NDEPE programs, i.e., ECF may or may not accept this proposed remedial measure.

On April 17, 1991, Administrative Order and Notice of Civil Administrative Penaty Assessment was issue by NJDEPE with a \$21,000 fine based on the previous inspection discussed above. EléChemical Co. is appealing the fine and a hearing is currently scheduled for February 93.

# Known Contaminon in a New Jersey Bell Underground Vault

Directly in front of the subject property, to the right of the entrance door, is a New Jersey Bell underground vault (manle). New Jersey Bell workers discovered chemical odors coming from the water in thinanhole and informed NJDEPE in May 1992. A sample collected by New Jersey Bell inpril 1992 revealed contamination with toluene and other solvents used by Elan Chemical. An additional sample was collected from "fresh liquid" which entered the manhole after had been pumped out and similar contaminants were found. As a result, New Jersey B has claimed the underground cables have falled and are currently running overhead telepone lines since the potential hazards prevent them from making repairs. New Jersey B has requested that NJDEPE identify the responsible party and implement corrective action lan Chemical Co. has been notified by NJDEPE as a potential source of the contaminal based on the presence of an Elan Chemical Co. cistern located to the left of the entrance of the presence of an Elan Chemical Co. cistern located to the left of the entrance of the sewer. In 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims it sealed the line into the sewer in 1985, Elan Chemical Co. claims to have filled the cistern with sand after hearing about the problem with the wollder of providing the case. Mr. by Greulich, and was told that he is currently

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attempting to determine the building code requirements from 19, proper procedures for disconnecting their effluent line to the cistern. at would dictate the proper procedures for disconnecting their effluent line to the cistern. The cistern as a potential source of the contamination and the potential for the facility it identified as a Potentially Responsible Party (PRP).

#### Non-Compliance with PVSC Discharge Permit

Elan Chemical Co. discharges pre-treated process effluent to the Passaic Valley Sewage Authority (PVSA) under a valid discharge permit. ENSR reviewed monthly testing sults from discharge samples collected from October 1991 through September 1992 for remit compliance. Each month at least one chemical compound exceeded its discharge mit. There is the potential for the PVSA to require Elan Chemical Co. to improve its treatment process.

#### Discharge Pipe into the Passaic River

Upon a review of NJDEPE hazardous waste files, ENSR discovered that during a RCRA site inspection on July 16, 1990, the NJDEPE discovered a discharge pipe exiting the southeast portion of site into the Passaic River. The NJDEPE investigator, Ms. Jodie Stein, determined that no permit was on file with the NJDEPE Division of Water Resources.

#### Aboveground Hazardous Waste Storage Tank (Tank No. 61)

As previously mentioned, Elan Chemical Co. has in the past and at the present time, used a 4,500-gallon aboveground storage tank to store waste toluene and methanol, prior to off-site disposal. As a result of a December 8, 1988, site inspection, the NJDEPE issued a Notice of Violation (NOV) for failure to obtain Department approval for storage of waste in an aboveground tank and not having the tank labelled hazardous waste (N.J.A.C. 7:26-9.3(b)). Elan submitted a letter to the N R. PE notifying them that use of the tank had been discontinued. ENSR obtained a copy of an internal NJDEPE memo which indicated that Elan had come into compliance with the same other violations.

Interviews with site representatives decire ENSR's September 11, 1992 site inspection indicated that waste solvents are temperally stored in the tank in question, Tank 61.



#### Prior Disposal Practices of Former Operations

As previously discussed, ENSR has learned that the subject property was use, the mid-1900s to manufacture paints and various coatings and sealants. Although the was no available information regarding waste disposal information nor was there any vervable evidence of on-site waste disposal during our site inspection, there is concernat this former operation may have released hazardous substances to the environment.

#### Review of Available Material Safety Data Sheets

ENSR was provided by Elan Chemical Co. a raw material inventory list dated June 30, 92. During our site inspection of September 11, 1992, we reviewed available Material Data Saty Sheets (MSDS) for these raw materials to identify any materials which were described toxic. While each MSDS is different in terms of how much chemical information is provide and how it is presented, ENSR has compiled a partial list (Table 1) of chemicals which were identified as either toxic or a high health hazard (T), or having low toxicity (LT). Please be aware that other raw materials used by Elan Chemical Co., that either did not have an available MSDS or whose MSDS contained insufficient information, may also be toxic.

#### Recommendations

ENSR's findings related to the Former Drum Disposal Area, other historical on-site operations, and the New Jersey Bell underground vault, as discussed above, cannot be verified without undertaking an analytical testing program. The decision to implement such a program is dependent on Stanchart Business Credit, Inc.'s assessment of the potential business risks involved, along with the consideration of the various indemnification agreements, warranties, or representations that may exist between the two parties. Based solely upon the results of this preliminary investigation, the information suggests that some testing for potential groundwater contamination should be considered. This testing program, if implemented, should focus on determining whether the soil contamination identified in the Former Drum Disposal Area, the cisteric and any other potential contamination from the former paint manufacturing operations, prefer released contaminants into the groundwater.

ENSR believes that if the facility we contribute the requirements of the NJDEPE Environmental Cleanup Responsibility of (ECRA), there is a high probability of finding significant waste-related problems at the face. Furthermore, it is unclear how the proposed NJDEPE cleanup standards will affect the environmental flabilities at this site, ENSR would



# TABLE 1

# Partial List of Toxic Raw Materials Used by Elan Chemical Co.

Chemical	Identific
Acetic Anhydride	T
Acetone	LT
Cassia Oil Natural	LT
Arquad HT-75	т
Aluminum Chloride	T
Aluminum Isopropylate	T
Benzyl Chloride	T
Boric Acid	T
N-Butyric Anhydride	LT
Cedrol Crude-X POL	LT
Çedarwood Oil	LT
Cinnamic Alcohol	LT
Dimethyl Formamide	T
Dimethyl Sulfate	Т
Glycerine	LT
Heptane	LT
Heptanoic Acid	T
N-Hexanol	LT
Hydrochloric Acid	Т
Isopare	LT
Methanol	Ţ
Cinnamic Acid	LT
Ethylene Dichloride	T
Formaldehyde 37%	Т
Caprolc Acid Natural	<b>T</b>
4-Isopropylanaline	Т
4 N. Rutulanalina	T
4-N-Butylanaline P-N-Butylanaline	Т
P-N-Butylanaline 4-sec-Butylanaline	Т
	LT
Acetone natural  Benzoyl Chloride	Т
T - Toxic or a high health hazard LT - Low toxicity	



recommend implementing an ECRA-type sampling program. While impleenting such a sampling program would be costly at this time and possibly perceived Stanchart Business Credit, Inc. to be unnecessary based on their assessment of the siness risks involved, we do recommend, at a minimum, the implementation of the following sks using NJDEPE approved procedures:

- Install and sample a minimum of three monitoring wells onsite.
- Advance a minimum of two soil borings adjacent to the former cistern anccollect and analyze soil samples at a depth below the base of the cistern, and coect a sample of the sand in the cistern.
- Collect and analyze water samples from both the pre-treated process effluent (prior to discharge to the sewer) and the New Jersey Bell vault for comparison purpases.
- Collect and analyze a surface sample of the stained soil observed behind the dumpster area during our September 11, 1992 site inspection.

Regarding the ongoing issues which NJDEPE has been involved with and other issues that they have expressed concern with in the past, we recommend that Stanchart Business Credit maintain contact with the appropriate NJDEPE representatives for status updates on the following:

- The proposed encapsulation of the Former Drum Area. It is also recommended that the NJDEPE-ECRA office be contacted to determine whether ECRA would accept this remedial measure.
- The resolution of the \$21,000 fine cited in the April 17, 1991 Administrative Order and Notice of Civil Administrative Penalty Assessment.
- The New Jersey Bell vault investigation as it may identify Elan Chemical Co. as a potentially responsible party.
- The discharge pipe entering the assaic River.
- The storage of hazardous was each an aboveground tank.



#### **Study Limitations**

This report describes the results of ENSR's initial investigation to ident, the potential presence of significant environmental liabilities materially affecting the subjet property. In the conduct of this investigation, ENSR has attempted to independently assess the potential presence of such problems within the limits of the established scope of work is described in our proposal dated September 10, 1992. However, verification of potentiall important facts was not always possible. As with any due diligence evaluation, there is a certain degree of dependence upon oral information provided by facility or site representatives which is not readily verifiable through visual inspection or supported by any available written documentation. ENSR shall not be held responsible for conditions or consequences from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this investigation was performed.

This report and all field data, notes, and laboratory test data (where applicable) were gathered and/or prepared by ENSR in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of ENSR's investigation of the site. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental condition of the site. Moreover, there are several major modifications that are inherent in the conduct of this or any other environmental due diligence examination.

First, it is difficult to predict which, if any, of the potential environmental issues identified will become actual problems in the future, for federal and state environmental regulations continually change as do the enforcement priorities of the applicable governmental agencies involved.

Second, even or problems currently identified, it is often difficult and sometimes impossible to accurately estimate the liabilities that may be involved in remedying the problem(s), for the legal and technological standards in evaluating, remedying, and allocating liability for environmental issues are in a constant state of change. Moreover, the liability for remedying environmental problems tends to be highly dependent upon agency negotiations and the sometimes arbitrary and unpredictable nature of agency officials charged with such negotiations.

Third, there is aways the distinct possess by that major sources of future environmental liability have yet to manifest themselves to the point where they are reasonably identifiable through an external investigation such as the one conducted herein.



This report, including all supporting field data, notes, and laboratory data where applicable (collectively referred to hereinafter as "Information") was prepared or collected by ENSR for the benefit of its client, Stanchart Business Credit, Inc. ENSR's client may release the information to third parties, who may use and rely upon the Information at their discretion. However, any use of or reliance upon the Information by a party other than specifically named above shall be solely at the risk of such third party and without legal recourse against ENSR, its parent or its subsidiaries and affiliates, or their respective employees, officers, or directors, regardless of whether the action in which recovery of damages is sought is based upon contract, tort (including the sole, concurrent, or other negligence and strict liability of ENSR), statute or otherwise. This Information shall not be used or relied upon by a party that does not agree to be bound by the above statement.

ENSR appreciates the opportunity to provide environmental services to Stanchart Business Credit, Inc. If you have any questions regarding our report or its findings, please contact me at (908) 560-7323.

Sincerely.

Donald P. Hessemer Senior Project Manager

DPH/gpk

Reference No. 6494-003-400(464)

Attachments: Exhibit A cc: File 6294-003



847521180

General Manager and Principal

## EXHIBIT A SUPPORTING DOCUMENTATION FOR ENVIRONMENTAL DUE DILIGENCE

### PART I: SITE OWNERSHIP AND LOCATION

Site Owner:

(a) Name:

Elan Chemical Co.

(b) Address:

268 Doremus Avenue

Newark, NJ 07105

2. Site Operator:

(a) Name:

Elan Chemical Co.

(b) Address:

268 Doremus Avenue

Newark, NJ 07105

3. Site Location References: (See Figure 1: Site Location Map)

(a) Address:

268 Doremus Avenue

Newark, NJ 07105

(b) County:

**Essex** 

(c) U.S.G.S.

Quad Map: Jersey City and Elizabeth, NJ

# PART II: DESCRIPTION AND CHARACTERIZATION OF SITE

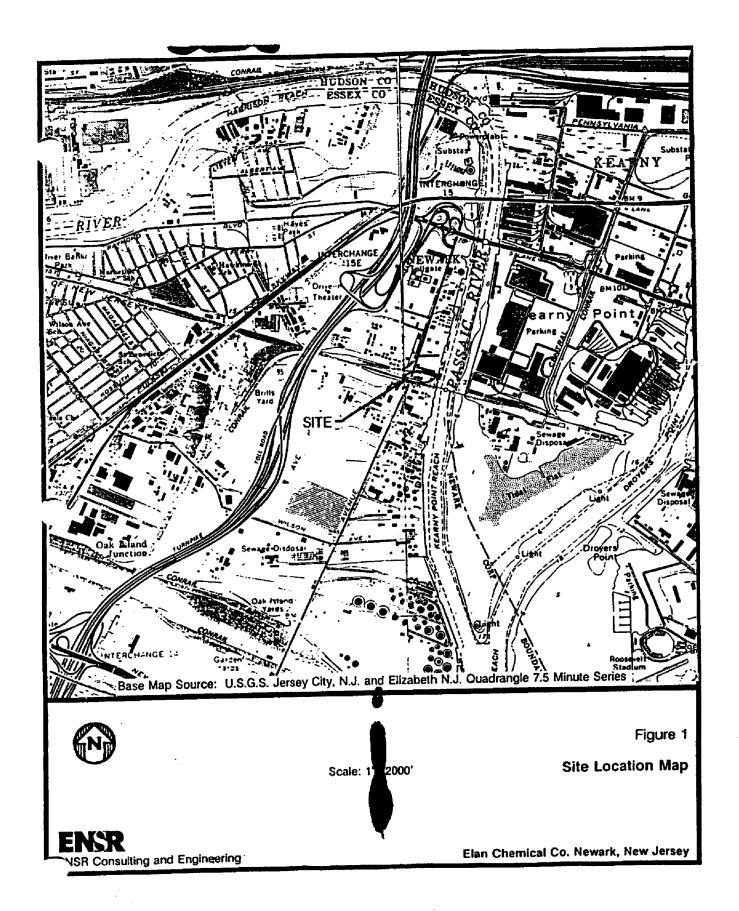
1

- 1. Physical Description of Site (See Figure 2: Site Plan)
  - (a) Site acreage: Approximately 4 acres
  - (b) Estimated % of site covered by buildings and pavement: 90%
  - side of Doremus Avenue. The site Doremus Avenue towards the cent offices, lunchroom, lockerroom, an shed used to store hoses, belts, an the site. In the northeast portion of rooms: the shipping and receiving a

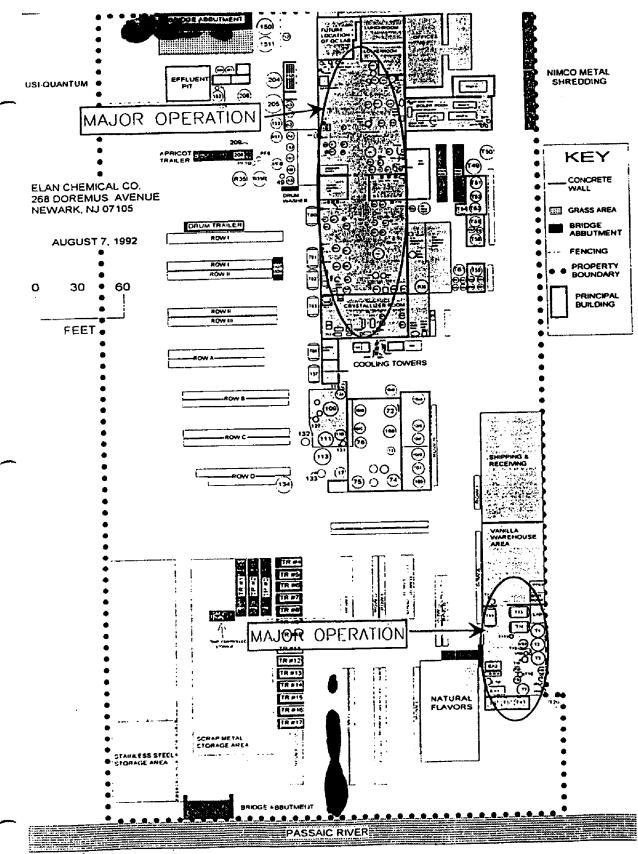
(c) Site and building layout: The rectangular-shaped property is located along the easterly ntains a main one-story building extending from portion of the property. This building contains he main manufacturing operations. A storage bumps is located along the northwest corner of site is a one-story building which contains three the vanilla warehouse area, and an extraction

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SITE PLAN

FIGURE 2

and blending room. Adjacent to south side of this building is the Natural Flavors Building. The eastern end of the site is used for the outside storage of finished goods and also contains the outside scrap metal storage area. A small one-story building used for toluene extraction is located in the center of the site. The southern portion of the site contains the outside drum storage area for work in progress. Finally, the southwestern portion of the site contains the wastewater effluent pit and treatment system. Interspersed through the center of the property are numerous aboveground storage tanks containing process chemicals and wastewater.

- (d) Topography and slope: The subject property is relatively flat; however, in the rear of the property, the ground slopes to the north where Elan has recently installed a catch basin which will eventually be pumped to the on-site treatment system.
- (e) Depth to groundwater/flow direction: Depth to groundwater was determined to be between 6 to 6.5 feet below grade during soil boring activities in January 1992. Groundwater flow is expected to be towards the Passaic River and subject to tidal fluctuations.
- (f) Surface water and wet areas (including streams, rivers, ponds, etc.): The Passaic River borders the eastern side of the site along the rear portion of the property.
- (g) Ditches/Drainage Features: None observed.
- 2. Brief Description of Current Use in Terms of Products Made; Processes Used; Raw Materials Employed; Chemicals and Fuels Used; and Wastes Generated, Including Waste Disposal Facilities/Locations Used:

Elan Chemical Co. manufacturers food flavorings and ingredients used in flavors and fragrances. Major process operations take place in the Blending Room and the Main Manufacturing Building. In the Blending Room, vanilla extract is produced by blending ground vanilla with ethyl alcohol. Wastes include wastewater and spent vanilla beans. The wastewater goes into floor drains which lead to a sump and is then pumped to the on-site pretreatment system.

The Main Manufacturing Building houses the batch processing operation involving various acids and batch specific alcohols. The process consists of reactions, washings, and distillation. The reaction process produces an ester. Water and water-soluble contaminants are driven off by adjusting the pH (washing) which increases the grade of the product. Process wastewater is diverted for on-site pretreatment before being discharged to the Passaic Valley Sewage Authority. Solvents are used in the process as a carrier to decrease the viscosity of the ester which allows for easier handling. The resulting ester/solvent

<sup>\*</sup>Unless otherwise noted, the groundwater flow direction has been inferred from a review of regional topographic data. Site specific conditions may vary due to a variety of factors, including geologic anomalies, utilities, nearby pumpires, vells (if present), and other developments.



mixture is distilled to recover the solvent, which is then recycled into the process until it is no longer effective. Waste solvents are temporarily stored in 55-gallon drums in the exterior Hazardous Waste Storage Area before being pumped into an aboveground 4500-gallon storage tank (Tank 61) where it is blended prior to off-site disposal.

The facility is heated by oil and gas although currently it is heated primarily by gas.

- 3. Selected Facility Information:
  - (a) Septic tanks/leaching fields: None observed or reported.
  - (b) Sanitary sewers: The subject property is served by the municipal sanitary system.
  - (c) Process wastewater sewers: The subject facility discharges between 60,000 to 70,000 gallons/day of treated wastewater to the Passaic Valley Sewerage Commission (PVSC) under a valid permit. The waste stream also includes cooling water and water from building floor drains and sumps. More detailed information is provided in Part VI, No. 3, Wastewater Discharges.
  - (d) Facility water supplies (potable and process): Potable and process water is obtained from the City of Newark Municipal System.
  - (e) Wells (active or abandoned monitoring, potable or process water supplies, injection, gas/oil): None present.
  - (f) Other: None.
- 4. Observations Concerning Waste Management Practices at Site
  - (a) Date of site/facility Inspection: September 11, 1992.

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- (b) Weather-related limitations: None.
- (c) Access-related limitations: None.
- (d) General condition of interior areas:
  - (i) Process areas: The Blending Room appeared well maintained. Floor drain channels in the cement floor transport wastewater to the on-site wastewater treatment system. The Main Manufacturing Building had numerous wet areas on the concrete floor.
  - (ii) Raw material/chemical supply areas: Raw materials are received in 55-gallon drums in the Shipping and Receiving Room which appeared well maintained.
  - (iii) Waste storage areas: With the exception of floor drains and sumps described below, all wastes are stored in doms and an exterior aboveground tank. Tank 61,

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which is used to mix and store waste solvents prior to off-site disposal, had no containment diking and is in a paved area.

- (iv) Floor drains, sumps: A floor drain channel system leading to a sump is present in the Blending Room, the Natural Flavors Building, and the Main Manufacturing Building. All three systems lead to the on-site treatment system and were observed containing wastewater during the inspection.
- (v) Other: None.
- (e) General condition of exterior areas:
  - (i) Process areas: Much of the exterior areas is used for storage of finished products and "intermediate" (work in progress) stored in drums on pallets in paved areas. The drums appeared in good condition. Intermediates are stored in large aboveground holding tanks in diked areas.
  - (ii) Waste storage areas: A hazardous waste storage area was observed outside containing two drums on a pallet in a paved area beneath an overhang. There was no access limitation or diking in the area. Drums were marked as flammable liquid and hazardous waste and dated 4/27/92, It should be noted that this waste appears to have been stored greater than 90 days.

The bulk of the hazardous waste produced at the site is a mixture of primarily toluene and methanol and other solvents stored in an aboveground tank. No ground staining was observed in this area.

The Scrap Metal Storage Area, located on the main non-paved portion of the site (gravel), contained large abandoned vessels and empty drums as well as a dumpster which was observed to contain empty bags and cardboard. Behind the dumpster stained soil was observed.

- (iii) Loading/unloading docks: No significant conditions were observed at the loading dock area in front of the Shipping and Receiving Room.
- (iv) Tank fill locations: No evidence of spills was observed at the No. 4 fuel oil storage tank.
- (v) Catch basins: Two catch basins for storm runoff were observed in the driveway along the northern side of the site. They discharge to the PVSC. Three others were observed in a line between the Main Manufacturing Building and the Work in Progress Area, and according to the Site Effluent Plot Plan, lead to the on-site treatment system prior to discharge to the PVSC.
- (vi) Other: A pool of brown slurry with an odor of vanilla and alcohol was observed in a low lying catch basin area of side the Electrical Transformer Area. This catch basin also appears to lead to the on-site pretreatment system.

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## (f) Other observations:

- (i) Discolored soils: Stained soil, yellow in color, was observed behind a dumpster in the Scrap Metal Storage Area.
- (ii) Discolored water: Oily sheens were observed on puddles of recent rainwater throughout the site.
- (III) Unusual odors: Due to the site operations, strong fragrance odors were observed throughout the site.
- (iv) Unusual vegetative conditions: None observed.
- (v) Other observations: Water with an unidentified chemical odor was observed in a New Jersey Bell manhole located directly in front of the subject property.

# PART III: SITE HISTORY AND DESCRIPTION OF SURROUNDING LAND USES

1. Description and Former Uses of Site, including Dates Where Known, and Other Relevant Information Concerning Waste Generation, Disposal, and Underground Tanks:

The subject site appears to have been developed prior to 1926 based on a review of "Robinson's Atlas of the City of Newark 1926" and a 1931 Sanborn Insurance Map. Both of these maps show the presence of most of what is currently the Main Manufacturing Building and identify the occupant as Schultz Vegetable Oil Company. The Sanborn Map identified the structure as storage. A boiler house which is no longer present was also shown as well as a steel frame structure which was "vacant and dilapidated". An industrial directory identified Better Finishes and Coatings (BFC) as the occupant in 1949 which manufactured paints, enamels, lacquers, and other coatings.

A 1951 Sanborn Map confirmed BFC as the occupant and identified the main building for paint manufacturing. This map also showed the absence of the boiler house and steel frame. Industrial directories show the site remaining as BFC and Essex Chemical Corp. through 1964 continuing the manufacturer of coatings and sealants.

A 1974 Sanborn Map shows ancillary structures attached to the main building and a warehouse building which appears to be the present Vanilla Warehouse Area and Biending Room. The appearance of solvent tanks at the east end of the main building is also shown on this 1974 map. The industrial directories identify Elan Chemical Corp. as the occupant since 1971 although there is a gap from 1964 to 1971. A review of property deeds indicates that the property was sold to Elan in 1977 and included property previously owned by the Central Railroad of New Jersey. According to Mr. David Weisman, President of Elan Chemical Corp., the southern portion of the property had been a railroad right-of-way and

had been covered with about 20 feet of fill for the railroad. The railroad removed the tracks and fill before selling Elan the property.

 Description of Current and Former Uses of Properties Abutting or Adjacent to the Site, Including Relevant Information Concerning Potential Waste Generation and Underground Tanks:

The entire Doremus Avenue is a heavily industrialized area. The subject property is bounded to the north by a scrap metal yard (NIMCO Shreading Co.), to the east by the Passaic River, to the south by Quantum Chemical Co., and to the west by Doremus Avenue. Directly across Doremus Avenue is currently an open lot with tires and crushed cars; however, the predominant parcel of land is the former Pitt-Consol Chemical Co. NIMCO Shreading Co. and Quantum Chemical Co. both are listed as having registered underground storage tanks.

Pitt-Consol is currently under investigation under the Superfund program. Sanborn maps as far back to at least 1974 show Pitt-Consol occupying this adjacent property with numerous aboveground storage tanks present. According to a 1986 report submitted to the New Jersey Turnpike Authority which documented a historical survey of potential sources of contamination within and adjacent to a proposed turnpike right-of-way, the Pitt-Consol property was identified as having a variety of potential contamination sources including as far back as 1934, including tank storage and liquid storage. The 1931 and 1951 Sanborn maps show this property being occupied as a tar plant. Sanborn maps from 1 974, 1951, and 1931 indicate the adjacent property to the north of Elan (currently a scrap metal storage yard) as an oil blending plant with oil tanks at the eastern and western ends of the property.

3. Description of Other Potentially Significant Land Uses Currently Situated Within a Minimum of 250 Feet of Site:

Numerous additional chemical and petroleum facilities extend in both directions on Doremus Avenue.

# PART IV: INVENTORY OF SENSITIVE RECEPTORS IN SITE VICINITY

1. Wells/Potable Drinking Water Supplies Within a Minimum of 1,000 Feet:

According to Mr. Nicholas Koval of the Essex County Department of Planning and Economic Development, there are no potable wells or other drinking water wells in Newark. The area obtains its drinking water from the Wannaque Reservoir in northern New Jersey.

2. Residences Within a Minimum of 1,000 Feet:

There are no residences within 1,000 feet of the subject facility. The area is entirely industrial.

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3. Significant Wet Areas/Surface Water Bodies Within a Minimum of 1,000 Feet:

The Passaic River borders the eastern side of the subject property.

4. Other Sensitive, Off-Site Receptors Within a Minimum of 1,000 Feet:

None present.

# PART V: DESCRIPTION OF KNOWN OR SUSPECTED RELEASES OF HAZARDOUS MATERIALS OR PETROLEUM HYDROCARBONS

1.	Has the Subject Site	ever b	een Listed	on Any	of the	Followin	ng:
----	----------------------	--------	------------	--------	--------	----------	-----

(a) National Priorities List (Superfund)

(b) CERCLIS Data Base (of Potential Problem Sites)

(c) State List/Inventory of Problem Sites

If "Yes", describe the listing, including lead agency, reason for listing, and current status of the case: [provide copies of any relevant reports, letters, or other supporting documentation]

- 2. If the Facility or Site Has Not Been Listed in (1) Above, Has the Facility Ever Had a Release, Spill, or Leak of a Hazardous Substance or Petroleum Hydrocarbons or Has the Facility/Site Ever Been Investigated by a Governmental Agency for the Actual or Potential Presence of an On-Site Contamination Problem? If so, Describe the Circumstances Surrounding the Incident (Date, Source, Location), Including Any Notification Submitted or Received, the Agency Response and Current Status of the Matter: [Provide copies of any notification, relevant reports, letters, or other supporting documentation] See Attachments A, B, and C.
  - Spill in Scrap Metal Storage Area

According to Elan Chemical Co. and a review of correspondence between the company and the NJDEPE, the Scrap Metal Storage Area was formerly used as a drum storage area, and leaking drums were discovered by NJDEPE in this gravel area. Elan hired a consultant, Environmental Waste Management Associates (EWMA), who collected soil samples from three visually stained areas in March 1991. The results were submitted to NJDEPE in a report dated March 26, 1991 with recommendations for additional soil sampling. The NJDEPE approved the sampling plan and EWMA advanced 8 soil borings in the area in January 1992. Sampling results and a recommendation to

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encapsulate the area with asphalt were submitted to NJDEPE in April 1992. The NJDEPE responded on June 4, 1992 by offering Elan the opportunity to perform remedial activities under a Memorandum of Agreement (MOA) with the NJDEPE. An MOA was subsequently signed on August 27, 1992, and the NJDEPE approved the proposal for encapsulation in a letter to Elan dated September 16, 1992. The NJDEPE also indicated that a deed restriction may be required if proposed cleanup standards (N.J.A.C. 7:26D) "are adopted substantively as is," and that the proposed encapsulation may or may not be acceptable for other NJDEPE programs such as ECRA.

# New Jersey Bell Manhole Contamination

At the present time, there is an NJDEPE investigation looking into the contamination of a New Jersey Bell underground vault (manhole) located in front of the subject property. The situation was brought to the attention of NJDEPE by New Jersey Bell in May 1992 when a field crew noticed unusual odors emanating from the manhole. A sample of the liquid collected in April 1992 revealed the presence of toluene and other solvents. The manhole was pumped out on May 26, 1992, three times as new liquid was entering into the manhole and another sample was collected which revealed similar chemical compounds as the first sample. Due to this condition, New Jersey Bell has asserted that the underground cables are falling and they will not permit their field crew to enter the manhole for repairs. New Jersey Bell has requested that NJDEPE identify the responsible party and implement corrective actions.

Approximately 8 to 10 feet to the north of the manhole is a cistern, which Elan used prior to 1985 to discharge process effluent before it entered the municipal sewer. NJDEPE suspects that this cistern is a potential source of the contamination discovered in the New Jersey Bell vault. Elan responded to an NJDEPE request to sample the water in the cistern by informing NJDEPE that the cistern had been filled with sand.

3. Are There Any Sites Located Within a Minimum of 1,000 Feet of the Subject Site that are Shown on Either the National Priorities List of Federally-Designated/Proposed Superfund Sites, the U.S. EPA's CERCLIS Data Base List of Potential Problem Sites, or Any Comparable State List: for Each Identified Site, Describe Source of Listing, Approximate Distance and Direction Relative to Subject Site, and Whether or Not the Listed Site Appears to be in an Upgradient, Downgradient, or Parallel Hydrogeological Gradient Relative to the Subject Property:

National Distillers and Chemical Corp., located to the south at 300 Doremus Avenue, is less than % mile from the subject property and is listed on CERCLIS. An EPA site inspection was completed in September 1985. This site appears to be in a parallel hydrogeological gradient relative to the subject property.



Four additional sites, listed on CERCLIS, are located between 1/2 and 1/4 mile away from the subject property:

- Celanese Chemical Co. (375 Doremus Avenue)
- Celanese Newark Terminal (354 and 375 Doremus Avenue)
- Newark Housing Authority Property (291 549 Avenue P)
- Pitt-Consol Chemical Company (191 Doremus Avenue)

The Newark Housing Authority and the Pitt-Consol Chemical Co. appear to be upgradient from the subject property, while the Celanese properties appear to be in a parallel gradient. There are no NPL sites within a ½ mile of the subject property.

National Distillers and Chemical Corp., the two Celanese properties, and Pitt-Consol-Chemical Company are also included in the New Jersey List of Hazardous Waste Sites.

## PART VI: SELECTED REGULATORY ISSUES

### 1. Solid and Hazardous Waste

(a) Identify and describe principal wastes generated, including estimated annual quantities by waste type: [Use table shown below-attach copies of annual/bl-annual waste reports, manifests, etc.] See Attachment D.

Hazardous V	Vastes S	Non-Hazardous Wastes		
		Waste Type		
Flammable Spent Solvents	43,814 gal (1991)	Trash	480 cu. yds.	

iii. Ge	nerator (>1,000 kg/n	no)	<u>x</u>	
iii. Ge	nerator (>1,000 kg/n	no)	<u>_x</u> _	
•	- 4,			
	all quantity generato 0-1,000 kg/mo)	r		
	nditionally exempt sn erator (<100 kg/mo		<del></del>	
(b) Identify	RCRA Status of Fac	ility (Check One)		

Comment: Facility reportedly stores hazardous waste on site less than 90 days but has been cited for violations in the past. During our September 11, 1992 site inspection, two drums of hazardous waste were observed onsite dated 4/27/92, indicating greater than 90 days storage. In addition, hazardous wastes is also being stored in an aboveground tank.

List the facility's EPA identification number:
[Attach copy of EPA Notification of Hazardous Waste Activity]

NJ D04289560

Copy of EPA Notification of Hazardous Waste Activity was unavailable.

- (c) What is the maximum quantity of hazardous waste the facility generates on a monthly basis? [kg/mo 1 kg = 2.2 lbs = 0.26 gal] Based on the review of two hazardous waste manifests dated 7/6/92 and 8/11/92, Elan disposed of 5,000 gallons of hazardous waste in that one month span.
- (d) What is the maximum quantity of hazardous waste the facility accumulates onsite at any one time? [kg] Based on a review of 1991 hazardous waste manifests, the maximum quantity stored on site was 5300 gallons which was disposed of in May 1991.
- (e) What is the maximum period of time the hazardous waste remains onsite (prior to onsite treatment, storage or disposal; or shipment offsite for treatment, storage or disposal)? [days] Based on a review of 1991 hazardous waste manifests, the maximum period is approximately 45 days; however, the facility has been cited for storing greater than 90 days in the past.
- (f) Describe the condition(s) of the hazardous waste storage area(s). [Consider container condition, aisle spacing, container stacking, etc.]: At the time of the inspection, two waste drums in fair condition were located on a pallet in the hazardous waste storage area. The area is paved and was covered with an overhang. Tank 61 is a 4500-gallon aboveground tank used to blend and store toluene/methanol waste prior to off-site disposal. The tank is not diked.
- (g) If the facility is a TSDF, describe each unit and its permit status below. [If the facility has RCRA interim status, attach a copy of the Part A permit application, a copy of the request letter from EPA for the Part B application, and a copy of the facility's letter of transmittal of the Part B application. If the facility has received a RCRA Part B permit, attach a copy.] The subject facility is not a TSDF.

(h)				m status, submitte 3 permit at <u>any</u> tin	Part B perm	lt
	 Yes	<u>_X</u> _	No			

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If "Yes", has the EPA ever conducted a RCRA Facility Assessment (RFA) or an Environmental Priorities Initiative (EPI) inspection of the facility? If so, describe below the circumstances and findings [attach copies of any written EPA materials].

(i) Has the EPA imposed any RCRA Corrective Action requirements on the facility as part of either a Part B permit or an enforcement action?

Yes X No

If "Yes", Identify below the Corrective Action requirements and the current status of the facility's achievement of these requirements [attach copy of corrective action requirements].

(j) Have there been any governmental RCRA-related inspections or investigations during the past five years?

X Yes \_\_\_ No

If "Yes", when, by whom, why, and what were the results [attach copies of appropriate documentation where available]? The NJDEPE-Division of Hazardous Waste Management conducted a partial generator inspection on December 8, 1988, and a subsequent full generator inspection on December 22, 1988.

Major findings from the December 8, 1988 inspection included failure to have waste shipped offsite within 90 days, discharge of hazardous substances from leaking drums, improper labeling of hazardous waste drums, failure to obtain NJDEPE approval to store hazardous waste in an aboveground tank, and improper completion of manifests. The December 22, 1988 inspection revealed five violations concerning notification and emergency planning requirements. A follow-up investigation by NJDEPE on February 3, 1989 was conducted to determine the status of Elan's efforts to remediate the area of leaking drums and revealed drums being segregated and repacked but many leaking drums remaining and soil contamination evident. This is the area where soil samples were collected in 1991 and 1992 by Elan Chemical Co.'s consultant.

On December 27, 1989, the NJDEPE inspected the area near No. 4 Fuel Oil Tank where approximately 100 gallons had been spilled. According to the NJDEPE, the area had been cleaned up and wastes had been removed off site.

On June 14, 1990, NJDEPE-DHWM conducted a RCRA inspection of the site and major findings focused on the storage of hazardous waste. Approximately 1600 drums in deteriorating condition and leaking were observed. In addition, stained soil areas were also observed. A follow-up inspection was performed on July 16, 1990 and a major finding included the discovery of discharge pipe protruding from the southeast corner of the property into the Passaic River. The NJDEPE inspector recommended a referral to the NJDEPE Division of Water Resources for investigation.

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(k) Have there been any against the subject fa	RCRA notices of violation or cility?	enforcement actions taken
	No	
the satisfaction of the Notices of Violation (Nabove RCRA inspecti 6/14/90, and 7/9/90		PE-DHWM in response to the 12/8/88, 12/22/88, 2/3/89,
(I) What is done with was hazardous waste) rei	ste generated (including solid wa ative to disposal? (check below	stes, recycled materials, and ')
On-site recycling	/disposal	
X Off-site recycling	g/dispo <b>sal</b>	
if off-site disposal, id type and approximat	lentify below disposal locations e years during which disposal to \ \text{Disposal Facility}	(name, city, state) by waste ocation (s) used.  Estimated Period of
Waste Type	(Name, City, State)	Usage
Spent Solvents	S&W, South Kearney, NJ	1982 - Present
Spent Solvents	Solvent Recovery Services of NJ, Linden, NJ	February and May, 1988
Chromic Acid	SCA Chemical Services, Newark, NJ	1986
yes X  If "Yes", describe the and regulatory statu ENSR reviewed the El September 14, 1992,	cility owner(s) ever been identified ite?  No e circumstances, including estimates of case [attach appropriate anvironmental Data Resources, Inc. for the subject site under the nare and Elan Natural Flavorings. According to the second dist Elan as a Potentially Response.	ated percentage contribution nd available documentation] Company PRP Reports, dated nes Elan Chemical Corp., Elar ording to these reports, no sites
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		Yes	No					
	lf "Y€	es", has the	facility pro	perly reg	gistered ead	ch tank? [at	tach copy o	f registration]
		Yes	No					
(d	d) Do a	nny of the parable sta	undergrou ate UST reg	nd tank ulations	s (USTs) r	equire regis	tration und	ler federal or
			ecent SPCC					
		Yes	X No					
•	(SPC	'C' nlan th	at reasonab engineer w	ly reflec	ts current (	onditions a	ng that has	untermeasure been certified ver page plus
		Yes	X No		÷			
(c	capa or m	city of (i) 4 ore aggre	2 DAD ralin	ns or mo eve grou	ore of unde and storage	rarouna sto	rade: Of (III)	le oil) with a 1,320 gallons iner having a
	aban	doned/ren	noved, reas	on for a	abandonme	nt/removal,	and testing	
			X No					
(b	) Are t	here any l ved?	known unde	ergroun	d tanks tha	t have beer	abandone	d in-place or
	capa catho	-14. (14)	, year insta ction or leak	alien e	angiruction	i material. 3	Seculiuai v	ing contents, containment, s test results.
	<u>X</u>	ove Groun Yes	No	'	inderground Yes <u>X</u>	No		
(a)	) Are ti tanks	here any ac present o	tive or inac in the subje	tive (but ct site?	not abande	oned) above	or undergr	ound storage
			ound Stora					÷

2.

Yes N	0	
	compliance with the phase	d-in leak detection requirem
Yes N		
If the UST is not in concircumstances below:	pliance with the leak dete	ction requirements, describe
type (sanitary, process,	storm), estimated volumes	subject facility, including efflo s (gallons per day), and discha
point (receiving stream	i, sewage system, septic ti	eia, eicj.
point (receiving stream  Description of Wastewate	Estimated Volume in Gallons Per Day	Description of Discharge
Description of Wastewate Stream	Estimated Volume in	Description of Discharge
Description of Wastewate Stream Sanitary	Estimated Volume in Gallons Per Day (gpd)	Description of Discharge Point
Description of Wastewate	Estimated Volume in Gallons Per Day (gpd)	Description of Discharge Point Sewage System (PVSA) Pre-Treatment/Sewage

3.

(4	Describe whether or not the facility has received the necessary permits for each discharge point. For each permit, identify the name of issuing agency, date permit granted, expiration/renewal date, and key permit limitations/requirements [attach copies of permits]: The facility has a Sewer Connection Permit No. 20403242 issued by the Passaic Valley Sewerage Commissioners. The current permit has an effective date of 4/19/91 and an expiration date of 4/14/96. Key requirements for Elan include continuous monitoring of pH and LEL (lower explosive limit) (see Attachment G).
(0	Have there been any governmental wastewater-related inspections or investigations during the past five years?
	If "Yes", when, by whom, why, and what were the results? [attach available and appropriate documentation]: According to Elan, the Passaic Valley Sewage Authority (PVSA) takes random and monthly samples of the pre-treated effluent. ENSR reviewed monthly testing results from October 1991 through September 1992 for compliance with maximum monthly averages. Each month at least one chemical compound exceeded the maximum monthly average limit. The following compounds had exceedances: zinc (7 months); toluene (6 months); 1,2-dichloroethane (4 months); methylene chloride (2 months); and benzene (1 month). There is the potential for PVSA to require Elan to improve their treatment process.
(6	e) Have there been any wastewater-related notices of violations or enforcement actions taken against the facility?
	YesX_ No
	If "Yes", when, by whom, why, penalty involved, and was compliance achieved to satisfaction of agency? [attach appropriate and available documentation]:
4. S	torm Water
(á	) Is the facility subject to NPDES storm water regulations?
	_X_ Yes No
	if "Yes",
,	(i) Has the facility applied for and/or received a NPDES permit that covers their storm water discharges?
	Received: Yes _X_ No
	Applied:Yes _X_No
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If applied for, but not received, list date of application and describe the current status of the application review: The subject facility is currently in the process of obtaining the required information to apply for a permit. According to site representatives, Elan is performing topographical studies with other Doremus Avenue companies and will likely be part of a permit with area-wide companies.

- (ii) If permit received, identify the name of the issuing agency, date permit granted, expiration/renewal date, and key permit limitations/requirements [attach copy of permit]:
- (b) Have there been any governmental storm water related inspections or investigations during the past five years?

Yes X No

If "Yes", when, by whom and what were the results [attach available and appropriate documentation]?

(c) Have there been any storm water related notices of violation or enforcement actions taken against the facility?

\_\_\_ Yes \_X No

If "Yes", when, by whom, why, penalty involved, and was the compliance achieved to the satisfaction of the agency [attach available and appropriate documentation]?

# 5. Air Quality

(a) What is the attainment/non-attainment status for the air quality control region within which the facility is located relative to each of the designated criteria pollutants (check appropriate boxes below)?

Criteria Pollutant	Attainment	Non-Attainment
Sulfur Dioxide	X	
		X
Particulates  Carbon Monoxide		X
Nitrogen Dioxide	х	
		X
Ozone Lead	Unknown	

	Describe significant point emission sources, including when each source was installed or modified (year). According to a January 1992 printout from the NJDEPE Division of Environmental Quality, the subject facility has 54 stacks including vents on storage tanks, reactors, general ventilation, and their Boiler No. 4. The years each source was installed is unknown.
	Describe whether or not the facility has received the necessary permits for each identified emission source (includes emission registrations where required). Identify any major permit limitations/requirements and identify any permits/registration that have lapsed and require renewal [attach copies of permits where applicable]. According to the above referenced printout for the permit status of these stacks, 40 are permanent, 8 are temporary, 5 have been deleted, and 1 is unknown. Those identified as permanent are valid for 5 years; temporary indicates a 90-day extension; and deleted indicates the permit was eliminated if the equipment is out of service or the source is no longer there. Based on our limited review of available permits, typical permit conditions are no visible emissions and no odors beyond property line.
(d)	Have there been any governmental air quality-related inspections or investigations during the past five years?
	X Yes No
	If "Yes", when, by whom, and what were the results? [attach available documentation]. According to the above referenced printout, inspections by the NJDEPE-DEQ for each stack have been conducted between 1987 and 1991.
(e)	Have there been any air quality-related notices of violation or enforcement actions taken against the facility?
	YesXNo
	If "Yes", when, by whom, why, penalty involved, and was compliance achieved to satisfaction of agency? [attach available documentation]
_	RA Title III
(a)	Is the facility required to prepare, or have available, material safety data sheets (MSDS) for any hazardous chemical under OSHA?
	_X_Yes No
	If "Yes", is the hazardous chemical present at the facility in quantities at or above the specified reporting threshold?
	YesX No

6.

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				quantities, has the		
			to the local e commission, ar	each hazardou emergency planni nd the local fire do	na committee.	ille state emeråe
		Yes	No			
		hazardous the state en	chamical invol	er I (Tier II if rec ntory form to the I onse commission t submittal]?	ocai emergency	planning commi
		Yes	No			
(b)	Dete	ermine the	following:		Yes	<u>No</u>
		following s	acility appear i tandard indus	in any of the trial classification	.s, _X_	
		20-397		\ 		
	(ii)	Does the fa employees	acility have 10 i?	or more	<u>_X</u>	
	(iii)	listed SAR.	acility manufac A toxic chemic threshold?	cture or process a cal above the	a	_x_
	(iv)	Does the fo	acility otherwis	se use a listed SA ,000 lb/yr?	ARA	<del></del>
	taci	lity annuall	v submitted a '	and <u>either</u> (iii) or form <u>R</u> (release r otain copies of m	eport) for each	loxic chemical al
	<u> </u>	Yes	No			
(c)	-1	innated avt	romolu hazard	, or releases of, a ous substance si persons beyond	nce 198/ above	tebbiranie draw
		Yes	_X_ No			
				18	O-0 Held 1001 El	ISR Consulting and Engine

	documentation]?  Yes No	•			
	B Containing Items/Equi				
(a)	List major PCB items (to equipment, etc.) and ch copy of supporting anal	eck conce	ntration catego	eat transfer ( ory of each it	equipment, hyd lem if known [a
	Item	<50 ppm	50-500 ppm	>500 ppm	Unknown
	Three Exterior Transformers	X*			
* Accor PCB-fre	rding to Elan, they have bee	en told by P	SE&G, the elect	rical utility, tha	at the transforme
(b)	Are all PCB items with marked?	PCB cond	centration leve	ls at or abo	ve 50 ppm pro
	Ýes No	•	•		
	If "No" to Question 6 (b)	above, de	scribe:		
(c)	Are there any signs of lo	eakage or s	staining around	I the PCB equ	uipment?
(d)	Are inspections conduct	ted of the F	PCB equipment	?	
(e)	What is the frequency or	f the inspe	ctions?		
· (f)	What is the minimum int	erval betwo	een the inspect	tions?	
			•••		

	(g)	Do records exist to support inspection frequency?					
	(h)	Are there any disconnected or out-of-service PCB items being stored?					
		YesX_ No					
		If "Yes", how long have they been stored on-site (days)?					
8.	Oth	her Regulatory or Related Matters					
	(a)	Has an asbestos survey ever been conducted at the facility?					
		Yes <u>X</u> No					
		If "Yes", summarize key findings: identify who or what firm performed the survey, identify when the survey was performed, and describe reason for survey [attached copy of survey findings]:					
(b)	Ha at	is there ever been a prior environmental audit or due diligence evaluation performed the subject site/facility?					
		YesX_ No					
		If "Yes", summarize key findings: identify who or what firm performed the work identify when study was performed, and describe reason for study [attach copy of study]:					
	(c)	Has there ever been any prior monitoring or testing of site or facility air emissions surface or groundwater, or soils (surface or subsurface)?					
		_X_ Yes No					
		If "Yes", summarize key findings: Identify who or what firm performed the work identify when study performed, and describe reason for study [attach copy of study] Surface and subsurface soils were tested in the Scrap Metal Storage Area (former Drum Storage Area) in 1991 and 1992 by Environmental Waste Management Associates (EWMA). The investigation was performed to characterize and delineate three areas of stained soil in this storage area. During the January 1992 sampling event, 8 soil borings were advanced and 2 soils samples were collected from each boring. Chromium was detected in all samples ranging from 31.4 to 4,970 ppm. Chromium concentrations were generally higher at deeper intervals. One sample, collected at 3.5-4.0 ft depth, contained ethylbenzene at a concentration above the proposed NJDEPE cleanup standards. It addition, 6 polycyclic aromatic hydrocarbons (PAHs) were detected at concentration above the proposed cleanup standards in samples collected between 1.5-2.0 ft in depth A copy of a portion of the results report is provided as Attachment A.					
	)RMS\	1-91-LF.L 20 Copyright 1991, ENSR Consulting and Engineering					

(d) Are there any active, pending, or potential legal suits being brought against the subject facility for alleged environmental health or safety problems by past or present employees, neighbors, or other parties and not previously discussed?

\_\_\_ Yes \_X\_ No

If "Yes", describe [attach copy of documentation]:

#### PART VII: REFERENCES

١

1. Persons Performing the Site Investigation (name, title, responsibility):

Donald P. Hessemer, Senior Project Manager: Site visit and report preparation

Kerry Sullivan, Chemical Engineer: Site visit

Kathy Whooley, Biologist: Local and state records search

2. Persons Interviewed (name, title, address, phone number):

David Weisman, President Elan Chemical Co. Newark, NJ 201-344-8014

Karal Sulimirski, Facilities Manager Elan Chemical Co. Newark, NJ 201-344-8014

Bill Hart, Consultant for Elan Chemical Co. Hart Environmental Services 609-655-5807

Jodie Stein, Senior Environmental Specialist New Jersey Department of Environmental Protection and Energy (NJDEPE) Division of Responsible Party Site Remediation West Orange, NJ 201-669-3960

Gary Gruelich, Senior Environmental Specialist NJDEPE - Division of Responsible Party Site Remediation West Orange, NJ 201-669-3960

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Jack Boehmer City of Newark, Division of City Planning Newark, NJ 201-733-8419

- 3. Reports and Documents Reviewed:
  - Toxicheck Environmental Data Resources, Inc., HAZ-SEARCH/PLUS Report, September 14, 1992

#### Federal Records

- Environmental Protection Agency's (EPA) National Priorities List (NPL)
- EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)
- RCRA Hazardous Waste Data Management System
- Resource Conservation and Recovery Information System
- Hazardous Materials Incident Report System
- Toxic Release Inventory System
- PCB Activity Database
- Toxic Substances Control Act

#### State Records

- Registered Underground Storage Tanks
- State Hazardous Waste Site
- Solid Waste Facilities/Landfill Sites
- NJDEPE, Division of Responsible Party Site Remediation, West Orange, NJ. Various files related to RCRA compliance and inspection activities.
- Tax Assessor's Records, Newark, NJ.
- Robinson's Atlas of the City of Newark, 1926, New Jersey (3 volumes), published by Elisha Robinson, 1927.
- Sanborn Fire Insurance Maps. 1931, 1951, 1974, 1988, for Subject Property and Surrounding Properties, Newark, NJ.
- 1987 Aerial Photo of Subject Property and Vicinity.

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<sup>&</sup>quot;We have examined and relied upon the reports and documents listed above which are based on the professional expertise or knowledge of the authors thereof. We have not conducted an independent examination of facts contained in these reference materials and have assumed that the information set forth therein is true and accurate.



- Suburban Regional Health Commission, West Orange, NJ. Files regarding Air Permits.
- Preliminary Site Investigations: New Jersey Turnpike Widening from Passaic River to Milepost 105. Louis Berger & Associates, Inc., December 1986.
- Elan Chemical Co. Various files including hazardous waste manifests, site plans, list of air permits.
- Passaic Valley Sewerage Commissioners, Sewer Connection Permit, Permit No. 20403242.
- Sampling Results Report, April 1, 1992. Elan Chemical Co., Prepared by Environmental Waste Management Association.

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**ENS**R

SIGNATURES AND QUALITY CONTROL REVIEW
BY: Donald P. Hessene DATE: 10/2/92  TITLE: Seria Project Manager
QUALITY CONTROL REVIEW BY: Rebal & bothstand
TITLE: ALSOCIA FE DATE: 10/2/12
<b>t</b>
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\FORM\$\1-91-LF.L

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Form 1:WM-004

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT 5th Fl., 401 E. State St., Trenton, N.J. 08625

184

### NOTICE OF VIOLATION

ID NO. NJS 042895680 DATE 12/8/88
NAME OF FACILITY Elas Chanical Co
LOCATION OF FACILITY 268 SSEEMUS ADC. KRUNEK
NAME OF OPERATOR Tohn VASSILIABES - V.P. PROBUCTION
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following
violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C.
7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A.
58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed.
These violation(s) have been recorded as part of the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION
NIT AC 7:26-9.66 - come operator shall a sintain
side apose & allow another tructed in real
I sersomel fire protection equipment, spill control
agingment etc.
N-TAC 7:26-7.46 Z - foiler to subsit on amual
· . //
I trestrat, qualities tasted etc
Remedial action to correct these violations must be initiated immediately and be completed by
/2/22/68 . Within fifteen (15) days of receipt of this Notice of Violation, you
shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures
you have taken to attain compliance. The issuance of this document serves as notice to you that a
violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initi-
ting further administrative or legal action, or from assessing penalties, with respect to this or other
violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.
Edward & Klille
Investigator, Division of Wasta Management Department of Environmental Protection

Form HWM-004 3/87

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT 5th Ft., 401 E. State St., Trenton, N.J. 08625

274

## NOTICE OF VIOLATION

ID NO. N-TO 042895680 DATE 12/8/88
NAME OF FACILITY ELAN Chemical Co.
LOCATION OF FACILITY 268 DOLENOUS AUC. NEWARK
NAME OF OPERATOR TOLA UASSILIABES - U.P. PRODUCTION
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.
Waste shaped off-site within 90 days.
not worked or visible, each contain not noted
or labeled Dozardow west.
NIAC: 7:26-9.36) - no approved from Department for storage of waste in an above grown take also, took not labeled Hogarder waste.
Remedial action to correct these violations must be initiated immediately and be completed by
within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other iolations. Violations of these regulations are punishable by penalties of \$25,000 per violation.
Investigator, Division of Waste Manager Sent Department of Environmental Protection

Form HWM-004 3/87

# NE., JERSEY DEPARTMENT OF ENVIRONMENTAL PROJECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT 5th Ft., 401 E. State St., Trenton, N.J. 08625

35/4

## NOTICE OF VIOLATION

ID NO. NITO 042895680 DATE 12/8/88
NAME OF FACILITY Elow Cherical Co.
LOCATION OF FACILITY 268 SOREMUS AVE NEWARK
NAME OF OPERATOR TOLIN VASSILIADES UP PRODUCTION
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.
NTAC 11:26-1.4652 - failure & properly complete  my part of a manifest.
Marifest # NJA 0405589
Remedial action to correct these violations must be initiated immediately and be completed by  12/22/66  . Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a
violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initi-
ating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

847521261

Investigator, Division of Waste Management Department of Environmental Protection For 7 HWM-004 3/87

#### NE., JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT 5th Fl., 401 E. State St., Trenton, N.J. 08625

434

#### NOTICE OF VIOLATION

ID NO. NJ 042895680 DATE 12/8/88
NAME OF FACILITY ELAN Chemical CO.
LOCATION OF FACILITY 268 DORENUS AVE. NEWARK
NAME OF OPERATOR JOHN VASSILIAGES VP PRODUCTION
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.
NJSA 58: 10-23c - dislarge & a Gazardons
NJSA 58:10-23 e - person responsible for discharge
decharge involves at a minim beary ails.
Remedial action to correct these violations must be initiated immediately and be completed by
To be difference. Within fifteen (15) days of receipt of this Notice of Violation, you
shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures
you have taken to attain compliance. The issuance of this document serves as notice to you that a
violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initi-

ating further administrative or legal action, or from assessing penalties, with respect to this or other

violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Waste Management
Department of Environmental Protection

HWM 004C

New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place Wast Orange, N.J. 07052 (201) 669-3960



#### NOTICE OF VIOLATION

	HOHOL OF THE LINES
	DATE 6-14-90
	ID NO (1) 1895 (180) DATE
	NAME OF FACILITY Elan Chem Inc.
	LOCATION OF FACILITY 268 DOTEMUS AUC
	NAME OF OPERATOR NEWARK, NJ 07/05  Sohn Vassiliades
	You are hereby NOTIFIED that during my inspection of your facility on the above date, the following
	violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C.
	7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A.
	58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed.
	These violation(s) have been recorded as part of the permanent enforcement history of your facility.
~	DESCRIPTION OF VIOLATION USAC 7:26-7.4(h) : Failure to receive Signed copy of tSD manifest & NSAC 7:26-7.4(h) : Failure to Submit an exception report to the Dept. NSAC 7:26-9.3(a) I: itaz wasie accum. onsite for more then 900045. NSAC 7:26-9.4(d): Containers are not of sturby leak-proof Construction.  Containers are not of sturby leak-proof Construction.  NSAC 7:26-9.4(0) 4: Containers not securely closed.
	Remedial action to correct these violations must be initiated immediately and be completed by Single State of London State of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.
] #	NSAUS7/06

Investigator, Division of Hazardous Waste Management Department of Environmental Protection

1500 11MM 004C



New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place West Orange, N.J. 07052 (201) 669-3960



#### NOTICE OF VIOLATION

ID NO. NJ DO42895680 DATE 6-14-90
NAME OF FACILITY Elan Chem, Inc.
LOCATION OF FACILITY 368 DOTEMUS Ave. NEWORK, NJ 07/05
NAME OF OPERATOR John Vossiliades
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C.
7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A.
58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed.
These violation(s) have been recorded as part of the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION NSAC: 7:26-9,4(d) 4iii: Containers Improperly stored (stacked 4-high). Winc 7:26-9,4(d)5:  No daily inspection of haz waste storage area. Ninc 7:26- 9,3(a)3: Containers are not labeled with the words "haz waste" or "Accum. Start date". Ninc 7:26-9,4(g) 6ii: No written job description of each position handling haz waste  NIAC 7:26-9,4(g)6iii No written description on the type  tamt of haz waste training.
Remedial action to correct these violations must be initiated immediately and be completed by
July 14, 1990 Within fifteen (15) days of receipt of this Notice of Violation, you
shall submit in writing, to the investigator issuing this notice at the above address, the corrective
measures you have taken to attain compliance. The issuance of this document serves as notice to you
that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from
initiating further administrative or legal action, or from assessing penalties, with respect to this or other
violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.

847521266

Investigator, Division of Hazardous Waste Management Department of Environmental Protection 1500 HAM OOTG



New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place West Orange, N.J. 07052 (201) 669-3960

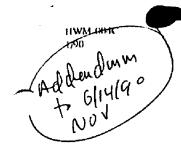


### NOTICE OF VIOLATION

10 NO W3DO 428 95680	DATE
NAME OF FACILITY Elan Chem I	nc.
LOCATION OF FACILITY 268 DO PEMUS	
NAME OF OPERATOR JOhn Vass	lindes
You are hereby NOTIFIED that during my inspection of y violation(s) of the Solid Waste Management Act, (N.J.S./7:26-1 et seq.) promulgated thereunder and/or the Spill (58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et These violation(s) have been recorded as part of the per	A. 13:1E-1 et seq.) and Regulations (N.J.A.C.  Compensation and Control Act, (N.J.S.A.  I seq.) promulgated thereunder were observed.
DESCRIPTION OF VIOLATION DIAC TLZ Space (18") NJAC TIZE-GO Lacks a list of emerg- equip description + brief outline o	6-9.6(e): Inadequateciste 7(g): the contingency plan pment, location, physical 4 capabilities
	sted immediately and be completed by
Remedial action to correct these violations must be initial.  Sulfy 1970. Within fifteen (shall submit in writing, to the investigator issuing this not measures you have taken to attain compliance. The issuing that a violation has occurred and does not preclude the initiating further administrative or legal action, or from as violations. Violations of these regulations are punishable.	15) days of receipt of this Notice of Violation, you lice at the above address, the corrective uance of this document serves as notice to you State of New Jersey, or any of its agencies from seessing penalties, with respect to this or other
	and It is

847521267

Vestigator, Division of Hazardous Waste Management Department of Environmental Protection



New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place West Orange, N.J. 07052 (201) 669-3960



# NOTICE OF VIOLATION

ID NO. (17 DOU 28951680 . DATE 1- 9-90
NAME OF FACILITY E. O. Chemical
LOCATION OF FACILITY 368 DO FEMUS AR NEWARK PS 07/08
NAME OF OPERATOR Dohn Vassi lades
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION NJAC 7:26-8.5(a): Failure of.  Generator to test its waste to determine if it.  Prazardous: NJAC 7:26-9.4(d)4iv: Container  Cot haz: waste are not segregated by waste type
Remedial action to correct these violations must be initiated immediately and be completed by    1990   Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.

847521268

Investigator, Division of Hazardous Waste Management Department of Environmental Protection



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2 290 BROADWAY NEW YORK, NY 10007-1866

SEP 1 5 2003

#### GENERAL NOTICE LETTER CERTIFIED MAIL-RETURN RECEIPT REQUESTED

David Weisman, CEO Elan Chemical Company 268 Doremus Ave. Newark, New Jersey 07105

RE:

Diamond Alkali Superfund Site

Notice of Potential Liability for

Response Actions in the Lower Passaic River, New Jersey

Dear Mr. Weisman:

The United States Environmental Protection Agency ("EPA") is charged with responding to the release and/or threatened release of hazardous substances, pollutants, and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §9601 et seq. Accordingly, EPA is seeking your cooperation in an innovative approach to environmental remediation and restoration activities for the Lower Passaic River.

EPA has documented the release or threatened release of hazardous substances, pollutants and contaminants into the six-mile stretch of the river, known as the Passaic River Study Area, which is part of the Diamond Alkali Superfund Site ("Site") located in Newark, New Jersey. Based on the results of previous CERCLA remedial investigation activities and other environmental studies, including a reconnaissance study of the Passaic River conducted by the United States Army Corps of Engineers ("USACE"), EPA has further determined that contaminated sediments and other potential sources of hazardous substances exist along the entire 17-mile tidal reach of the Lower Passaic River. Thus, EPA has decided to expand the Study to include the areal extent of contamination to which hazardous substances from the six-mile stretch were transported; and those sources from which hazardous substances outside the six-mile stretch have come to be located within the expanded Study Area.

By this letter, EPA is notifying Elan Chemical Company ("Elan") of its potential liability relating to the Site pursuant to Section 107(a) of CERCLA, 42 U.S.C. §9607(a). Under CERCLA, potentially responsible parties ("PRPs") include current and past owners of a facility, as well as persons who arranged for the disposal or treatment of hazardous substances at the Site, or the transport of hazardous substances to the Site.

851710001

Internet Address (URL) • http://www.epa.gov
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In recognition of our complementary roles, EPA has formed a partnership with USACE and the New Jersey Department of Transportation-Office of Maritime Resources ("OMR") ["the governmental partnership"] to identify and to address water quality improvement, remediation, and restoration opportunities in the 17-mile Lower Passaic River. This governmental partnership is consistent with a national Memorandum of Understanding ("MOU") executed on July 2, 2002 between EPA and USACE. This MOU calls for the two agencies to cooperate, where appropriate, on environmental remediation and restoration of degraded urban rivers and related resources. In agreeing to implement the MOU, the EPA and USACE will use their existing statutory and regulatory authorities in a coordinated manner. These authorities for EPA include CERCLA, the Clean Water Act, and the Resource Conservation and Recovery Act. The USACE's authority stems from the Water Resources Development Act ("WRDA"). WRDA allows for the use of some federal funds to pay for a portion of the USACE's approved projects related to ecosystem restoration.

For the first phase of the Lower Passaic River Project, the governmental partners are proceeding with an integrated five- to seven-year study to determine an appropriate remediation and restoration plan for the river. The study will involve investigation of environmental impacts and pollution sources, as well as evaluation of alternative actions, leading to recommendations of environmental remediation and restoration activities. This study is being conducted by EPA under the authority of CERCLA and by USACE and OMR, as local sponsor, under WRDA. EPA, USACE, and OMR are coordinating with the New Jersey Department of Environmental Protection and the Federal and State Natural Resource Trustee agencies. EPA, USACE, and OMR estimate that the study will cost approximately \$20 million, with the WRDA and CERCLA shares being about \$10 million each. EPA will be seeking its share of the costs of the study from PRPs.

Based on information that EPA evaluated during the course of its investigation of the Site, EPA believes that hazardous substances were being released from Elan's facility located at 268 Doremus Avenue in Newark, New Jersey, into the Lower Passaic River. Hazardous substances, pollutants and contaminants released from the facility into the river present a risk to the environment and the humans who may ingest contaminated fish and shellfish. Therefore, Elan may be potentially liable for response costs which the government may incur relating to the study of the Lower Passaic River. In addition, responsible parties may be required to pay damages for injury to, destruction of, or loss of natural resources, including the cost of assessing such damages.

Enclosed is a list of the other PRPs who have received Notice letters. This list represents EPA's findings on the identities of PRPs to date. We are continuing efforts to locate additional PRPs who have released hazardous substances, directly or indirectly, into the Passaic River. Inclusion on, or exclusion from, the list does not constitute a final determination by EPA concerning the liability of any party for the release or threat of release of hazardous substances at the Site. Be advised that notice of your potential liability at the Site is being forwarded to all parties on this list.

We request that you consider becoming a "cooperating party" for the Lower Passaic River

Project. As a cooperating party, you, along with many other such parties, will be expected to fund EPA's share of the study costs. Upon completion of the study, it is expected that CERCLA and WRDA processes will be used to identify the required remediation and restoration programs, as well as the assignment of remediation and restoration costs. At this time, the commitments of the cooperating parties will apply only to the study. For those who choose not to cooperate, EPA may apply the CERCLA enforcement process, pursuant to Sections 106 (a) and 107(a) of CERCLA, 42 U.S.C. §9606(a) and §9607(a) and other laws.

Pursuant to CERCLA Section 113(k), EPA must establish an administrative record that contains documents that form the basis of EPA's decision on the selection of a response action for a site. The administrative record files, which contain the documents related to the response action selected for this Site are located at EPA's Region 2 office (290 Broadway, New York) on the 18<sup>th</sup> floor. You may call the Records Center at (212) 637-4308 to make an appointment to view the administrative record for the Lower Passaic River Project.

EPA will be holding a meeting with all PRPs on October 29, 2003 at 10:00 AM in Conference Room 27A at the Region 2 office. At that meeting, EPA will provide information about the actions taken to date in the Lower Passaic River, as well as plans for future activities. After the presentation, PRPs will be given the opportunity to caucus, and EPA will return to answer any questions that might be generated during the private session. Please be advised that due to increased security measures, all visitors need to be registered with the security desk in the lobby in order to gain entry to the office. In order to ensure a smooth arrival, you will need to provide EPA with a list of attendees no later than October 15, 2003.

EPA recommends that the cooperating parties select a steering committee to represent the group's interest as soon as possible, since EPA expects a funding commitment for the financing of the CERCLA share of the \$20 million study by mid-November 2003. If you wish to discuss this further, please contact Ms. Alice Yeh, Remedial Project Manager, at (212) 637-4427 or Ms. Kedari Reddy, Assistant Regional Counsel, at (212) 637-3106. Please note that all communications from attorneys should be directed to Ms. Reddy.

Sincerely yours,

George Pavlou, Director

**Emergency and Remedial Response Division** 

Enclosure

cc: Jeffrey Schwartz, Esq.

Sarber Schlesinger Satz & Goldstein

# PRPs in Receipt of Notice Letters:

PRP	Legal Counsel
J. Roger Hirl President and Chairman of the Board Occidental Chemical Co. Occidental Tower 5005 LBJ Freeway Dallas, Texas 75244	Paul W. Herring, Esq. Andrews & Kurth L.L.P. 1717 Main Street, Suite 3700 Dallas, Texas 75201
Joseph Gabriel Vice President of Operations 360 North Pastoria Environmental Corp. 1100 Ridgeway Avenue Rochester, New York 14652-6280	Philip Sellinger, Esq. Sills Cummis Zuckerman One Riverfront Plaza Newark, NJ 07102
Robert Ball, President Alcan Aluminum Corporation 100 Erieview Plaza, 29th Floor Cleveland, Ohio 44114	Lawrence Salibra, Esq. Alcan Aluminum Corporation 6060 Parkland Blvd. Mayfield Hts., OH 44124
Mark Epstein, President Alden Leeds Inc. 55 Jacobus Ave. Kearny, New Jersey 07032	Eric Aronson, Esq. Whitman Breed Abbott & Morgan One Gateway Center Newark, NJ 07102
Alan Bendelius, President Alliance Chemical, Inc. Linden Avenue Ridgefield, New Jersey 07657	Fredi L. Pearlmutter, Esq. Cooper, Rose & English, LLP 480 Morris Avenue Summit, New Jersey 07901-1527
William Gentner, President The Andrew Jergens Co. 2535 Spring Grove Ave. Cincinnati, Ohio 45214	A. Christian Worrell III, Esq. Head & Ritchey, LLP 1900 Fifth Third Center 511 Walnut Street Cincinnati, OH 45202
Gary Cappeline, President Ashland Specialty Chemical Co. 5200 Blazer Parkway Dublin, Ohio 43017	Stephen Leermakers, Esq. Ashland Specialty Chemical Co. 5200 Blazer Parkway Dublin, OH 43017
Klaus Peter Loebbe, President BASF Corporation 3000 Continental Drive North Mount Olive, New Jersey 07828	Nan Bernardo, Esq. and Nancy Lake Martin, Esq. BASF Corporation 3000 Continental Drive North Mount Olive, NJ 07828

Joseph Akers, Vice President Bayer Corporation 100 Bayer Road Pittsburgh, Pennsylvania 15205-9741	Gerard Hickel, Esq. Bayer Corporation 100 Bayer Road Pittsburgh, PA 15205-9741
Yvan Dupay, President Benjamin Moore & Co. 51 Chestnut Ridge Road Montvale, New Jersey 07645	Arthur Schulz, Esq. Environmental Counsel 4910 Massachusetts Ave., N.W. Suite 221 Washington, DC 20016
Alberto Celleri, President Chemical Compounds Inc. 10 Baldwin Court Roseland, New Jersey 07086	Jim Giannotti Chemical Compounds Inc. 29-75 Riverside Avenue Newark, NJ 07104
President Chris-Craft Industries, Inc. 767 Fifth Avenue, 46th Floor New York, New York 10153	Brian Kelly, Esq. Chris-Craft Industries, Inc. 767 Fifth Avenue, 46th Floor New York, NY 10153
John Guffey, President Coltec Industries, Inc. 3 Coliseum Centre 2550 West Tyvola Road Charlotte, North Carolina 28217	John R. Mayo, Esq. Coltec Industries, Inc. 430 Park Avenue New York, NY 10022
Roger Marcus, President Congoleum Corporation 3705 Quakerbridge Road Mercerville, New Jersey 08619	Russell Hewit, Esq. Dughi & Hewit 340 North Avenue Cranford, NJ 07016
Martin Benante, Chairman Curtiss-Wright Corp. 4 Becker Farm Road Roseland, New Jersey 07068	James Maher, Esq. Curtiss-Wright Corp. 4 Becker Farm Road Roseland, NJ 07068
Antonio Perez, President Eastman Kodak Company 343 State Street Rochester, New York 14650	Elliot Stern, Esq. Eastman Kodak Company 343 State Street Rochester, NY 14650
Edgar Woolard, Chairman E.I. du Pont de Nemours & Co. 1007 Market Street Wilmington, Delaware 19898	Bernard J. Reilly, Esq. Corporate Counsel E.I. du Pont de Nemours & Co. 1007 Market Street Wilmington, DE 19898

David Weisman, CEO Elan Chemical Company 268 Doremus Ave. Newark, New Jersey 07105	Jeffrey Schwartz, Esq. Sarber Schlesinger Satz & Goldstein One Gateway Center Newark, NJ 07102
Al Reisch, President E M Sergeant Pulp & Chemical Co. Inc. 6 Chelsea Road Clifton, New Jersey 07102	None
Mark Tucker, Esq. Essex Chemical Corp. 2030 WMDC Midland, Michigan 48674	Kenneth Mack, Esq. Fox, Rothschild, O'Brien & Frankel Princeton Pike Corp.Center 997 Lenox Drive, Building 3 Lawrenceville, NJ 08648
Todd Walker, President Fairmount Chemical Co. Inc. 117 Blanchard St. Newark, New Jersey 07105	John Ix, Esq. Porzio Bromberg & Newman 163 Madison Ave. Morristown, NJ 07962
Bradley Buechler, President Franklin-Burlington Plastics Inc. 113 Passaic Ave. Kearny, New Jersey 07032	Robert M. Becker, Esq. Kraemer, Burns, Mytelka & Lovell, P.A. 675 Morris Ave. Springfield, NJ 07081
Henry Benz, President Hoescht Celanese Chemicals, Inc. Route 202-206 P.O.Box 2500 Somerville, New Jersey 08876	Anne Conley-Pitchell, Esq. Hoescht Celanese Corp. Route 202-206 P.O.Box 2500 Somerville, NJ 08876
Francine Rothschild, President Kearny Smelting & Refining 936 Harrison Ave #5 Kearny, New Jersey 07032	None
Henry Schact, CEO Lucent Technologies, Inc. 600 Mountain Avenue Murray Hill, New Jersey 07974	Ralph McMurry, Esq. Hill, Betts & Nash LLP 1 Riverfront Plaza, Suite 327 Newark, NJ 07102-5401
Richard Meelia, President Mallinckrodt, Inc. 675 McDonnell Blvd. Hazelwood, Missouri 63042	Patricia Duft, Esq. Mallinckrodt, Inc. 675 McDonnell Blvd. Hazelwood, MO 63042

Richard Mahoney, CEO Monsanto Company 800 N. Lindbergh Blvd. St. Louis, Missouri 63167	L. William Higley, Esq. Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167
Joseph Galli, President Newell Rubbermaid, Inc. 29 E. Stephenson St. Freeport, Illinois 61032	Peter Schultz, Director Environmental Affairs Newell Co. 4000 Auburn St. Rockford, IL 61101
Jean-Pierre van Rooy, President Otis Elevator Company North American Operations 10 Farm Springs Road Farmington, Connecticut 06032	Sarah Hurley, Esq. Robinson & Cole LLP 695 East Main Street Stamford, CT 06904-2305
Richard Ablon, President Ogden Corporation Two Pennsylvania Plaza, 25th Floor New York, New York 10121	J.L. Effinger, Esq. Ogden Corporation Two Pennsylvania Plaza, 25th Floor New York, NY 10121
Henry McKinnell, Chairman Pfizer Inc. 235 E. 42 <sup>nd</sup> St. New York, New York 10017	Michael McThomas, Esq. Pfizer Inc. 235 E. 42 <sup>nd</sup> St. New York, NY 10017
Raymond LeBoeuf, President PPG Industries, Inc. One PPG Place Pittsburgh, Pennsylvania 15272	Joseph Karas, Esq. PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272
Lawrence Codey, President PSE&G Co. P.O. Box 570 Newark, New Jersey 07101-0570	Hugh Mahoney, Esq. PSE&G Co. P.O. Box 570 Newark, NJ 07101
Phillip D. Ashkettle, President Reichhold Chemicals, Inc. P.O. Box 13582 Research Triangle Park, North Carolina 27709	Adam S. Walters, Esq. Phillips, Lytle, Hitchcock, Blaine & Huber 3400 Marine Midland Center Buffalo, NY 14203
Robert McNeeley, President Reilly Industries, Inc. 1510 Market Square Center 151 North Delaware Street Indianapolis, Indiana 46204	Paul Rivers, Director Corporate Environmental Affairs Reilly Industries, Inc. 1500 S. Tibbs Avenue Indianapolis, IN 46242

Robert Finn, President RSR Corporation 2777 Stemmons Freeway, Suite 1800 Dallas, Texas 75207	Howard Myers, Esq. RSR Corporation 2777 Stemmons Freeway, Suite 1800 Dallas, TX 75207	
Christopher Connor, CEO The Sherwin-Williams Company 101 Prospect Avenue, N.W. Cleveland, Ohio 44115-1075	Donald McConnell, Esq. The Sherwin-Williams Co. 101 Prospect Ave., N.W. Cleveland, OH 44115	
George Barrett, President Teva Pharmaceuticals USA Inc. 1090 Horsham Road North Wales, Pennsylvania 19454	Kirsten E. Bauer, Esq. Teva North America 1090 Horsham Road North Wales, PA 19454	
Robert Senior, President Three County Volkswagen 701 Riverside Ave. Lyndhurst, New Jersey 07071	Robert DiLascio, Esq. 30 Park Avenue, Suite 101 Lyndhurst, NJ 07071	
Michael Jordan, President Westinghouse Electric Corp. 11 Stanwix Street Pittsburgh, Pennsylvania 15222	Roger Willis, Esq. Westinghouse Electric Corp. 11 Stanwix Street Pittsburgh, PA 15222	
Isaac Weinberger, President Wiggins Plastics Inc. 547 Maitland Ave. Teaneck, New Jersey 07666	None	