

New York State Department of Environmental Conservation
 Division of Hazardous Waste Remediation
 Bureau of Hazardous Site Control

704026

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

704026

SITE NAME: DOVER ELECTRONICS Co.

DEC I.D. NUMBER 704503

Current Classification _____

Activity: Add as Class 2 Reclassify to _____ Delist Category _____ Modify _____

Approvals:

Regional Hazardous Waste Engineer Yes No

NYSDOH Yes No

DEE Yes No

Construction Services Yes n/a No

BHSC: a. Investigation Section Yes No

b. Site Control Section Robert M. [Signature] Date 10/1/94

c. Director [Signature] Date 10/21/94

DHWR Assistant Director Charles W. [Signature] Date 11/1/94

Completion Checklist

Completed By:
Initials Date

OWNER NOTIFICATION LETTER? _____ 11/30/94

ADJACENT PROPERTY OWNER NOTIFICATION LETTER? _____ 2/9/95

ENB/LEGAL NOTICE SENT? (For Deletion Only) _____ _____

COMMENTS SUMMARIZED/PLACE IN REPOSITORY _____ _____

FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only) _____ _____

(For proposed Class 2a sites only) Planned investigative activities & dates: _____



SITE INVESTIGATION INFORMATION

1. SITE NAME Universal Instruments/ Dover Electronics Company	2. SITE NUMBER 704503	3. TOWN/CITY/VILLAGE Kirkwood	4. COUNTY Broome
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5. REGION 7 7	6. CLASSIFICATION CURRENT PROPOSED 2 MODIFY
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7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle Binghamton East

b. Site Latitude 42° 06' 15" N Site Longitude 75° 50' 00" W

c. Tax Map Numbers 4-8-51.6

d. Site Street Address Kirkwood Industrial Park, Kirkwood, NY 13795

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

The Dover Electronics - Kirkwood North facility is located in the Kirkwood Industrial Park in Broome County. In 1990, Dover performed an environmental assessment of the facility to establish an environmental baseline subsequent to taking over facility operations from Universal Instruments. Soil contamination detected during the initial assessment has led to Phase II and III environmental investigations at the site. Soil and groundwater contamination has been confirmed by the investigations, with tetrachloroethylene detected at 2400 ppb in groundwater. Past spillage and/or leakage from tetrachloroethylene storage tanks has resulted in the contamination.

a. Area 4 acres b. EPA ID Number NYD002226124

c. Completed Phase I Phase II PSA RI/FS PA/SI Other

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

10. ANALYTICAL DATA AVAILABLE

a. Air Groundwater Surface Water Sediment Soil Waste Leachate EPTox TCLP

b. Contravention of Standards or Guidance Values

Tetrachloroethylene: 2400 ppb (5 ppb)
Trichloroethylene: 240 ppb (5 ppb)
Cis-1,2-Dichloroethylene: 190 ppb (5)

11. CONCLUSION

Site investigations of the Dover-Kirkwood North facility indicates groundwater contamination far in excess of applicable Part 703 groundwater standards. Extensive spillage and or leakage from the tetrachloroethylene storage tanks has caused the contamination. Further work is necessary to adequately determine the extent of contamination and evaluate if other contamination sources are present. Dover has proposed an interim remedial measure (groundwater treatment) at the source area. The plume of groundwater contamination overlies a principal aquifer. Refer to attached map showing the location of both the facility and the area of the principal aquifer.

12. SITE IMPACT DATA

Susquehanna River

a. Nearest Surface Water: Distance 3500 ft. Direction SW Classification B [Part 930: 1-3]

b. Nearest Groundwater: Depth 2 ft. ± Flow Direction SW Sole Source Primary Principal

c. Nearest Water Supply: Distance 4000 ft. Direction South Active Yes No

d. Nearest Building: Distance on site Direction N/A Use Industrial

e. In State Economic Development Zone? Y N i. Controlled Site Access? Y N

f. Crops or livestock on site? Y N j. Exposed hazardous waste? Y N

g. Documented fish or wildlife mortality? Y N k. HRS Score _____

h. Impact on special status fish or wildlife resource? Y N l. For Class 2: Priority Category 1

13. SITE OWNER'S NAME Dover Electronics Co.	14. ADDRESS Kirkwood Industrial Park, Kirkwood, N.Y. 13795	15. TELEPHONE NUMBER (607) 772-7830
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16. PREPARED <i>Scott Rodabaugh</i> Signature Date <u>10-7-94</u> Scott Rodabaugh, Envir. Eng. 2, DHWR-NYSDEC Name, Title, Organization <i>original prepared m 4-7-93</i>	17. APPROVED <i>Charles M. Holda</i> Signature Date <u>11/1/94</u> Ass't Dir. Name, Title, Organization
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STATE OF NEW YORK DEPARTMENT OF HEALTH

Center for Environmental Health

2 University Place

Albany, New York 12203-3399

Mark R. Chassin, M.D., M.P.P., M.P.H.
Commissioner

Paula Willson
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH

Lloyd F. Novick, M.D., M.P.H.
Director

Diana Jones Ritter
Executive Deputy Director

William N. Stasiuk, P.E., Ph.D.
Center Director

July 22, 1994

Mr. Earl Barcomb, P.E., Director
NYS Dept. of Environmental Conservation
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, NY 12233

RE: **SITE CLASSIFICATION DECISION**
Universal Instruments/Dover
Electronics Company, ID #704503
Town of Kirkwood, Broome County

Dear Mr. Barcomb:

Staff have reviewed the Site Classification Document for the proposed Universal Instruments/Dover Electronics Company Site. Investigations to date have documented the disposal of hazardous waste as well as significant soil, surface water and groundwater contamination. Public water supply sources exist within the vicinity of the site.

The addition of the Universal Instruments/Dover Electronics Company Site to the Registry as a Class 2 site would allow further investigation of the site to better evaluate public health and environmental impacts. I concur with the proposed listing of this site.

Should you have any questions, feel free to call me or Mr. Gary Litwin at 518-458-6306.

Sincerely,

Allison C. Wakeman, P.E.
Chief, Western/Niagara Section
Bureau of Environmental Exposure
Investigation

#41720734

APPENDIX 2-1
 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2 REGION: 7 SITE CODE: 70402
 EPA ID: NYD002226124

NAME OF SITE: Universal Instruments/ Dover Electronics Company
 STREET ADDRESS: Kirkwood Industrial Park
 TOWN/CITY: Kirkwood COUNTY: Broome ZIP: 13795

SITE TYPE: Open Dump- Structure- Lagoon- Landfill- Treatment Pond-
 ESTIMATED SIZE: 4 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Dover Electronics Company
 CURRENT OWNER ADDRESS.: Kirkwood Industrial Park, Kirkwood
 OWNER(S) DURING USE....: Dover Electronics Company-Universal Instruments
 OPERATOR DURING USE....: Dover Electronics Company-Universal Instruments
 OPERATOR ADDRESS.....: _____
 PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From Unknown To _____

SITE DESCRIPTION:

The Kirkwood North Facility is located in the Kirkwood Industrial Park in Broome County, New York. Dover Electronics has initiated sampling events at three locations at this site. These locations include a diked tetrachloroethylene storage area, a storage area which was used to store empty drums, and a former underground tank location in which a 10,000 gallon underground #2 fuel oil storage tank was removed in March, 1992.

The source of groundwater contamination is attributed to spillage/leakage from the diked tetrachloroethylene storage area. This area has been removed due to the elimination of tetrachloroethylene use at the facility.

An IRM is proposed by Dover to treat groundwater at the former source area.

HAZARDOUS WASTE DISPOSED: CONFIRMED X
 TYPE

SUSPECTED _____
 QUANTITY (units)

 Tetrachloroethylene

 Unknown

APPENDIX 2-2

SITE CODE: 70402

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater- x Soil- x Sediment-

CONTRAVENTION OF STANDARDS:

Groundwater- x Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE...:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-

REMEDIAL ACTION:

Proposed- x	Under design-	In Progress-	Completed-
NATURE OF ACTION:	IRM - Groundwater Treatment		

GEOTECHNICAL INFORMATION:

SOIL TYPE:
GROUNDWATER DEPTH: 2 - 10 Feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Groundwater Contamination has been confirmed

ASSESSMENT OF HEALTH PROBLEMS:

INACTIVE HAZARDOUS WASTE DISPOSAL, SITE PRIORITY RANKING WORKSHEET

SITE I.D. 70402

SITE NAME Universal Instruments
Dover Electronics Company

° **Priority I** - Sites for which remediation should supersede all other Class 2 sites. Priority I can be assigned if any one of the following questions can be answered affirmatively.

- a) Has a public or private water supply which is currently in use been contaminated or threatened?....
 - b) Has human exposure to contaminants been identified which represents a significant health risk as determined by DOH?.....
 - c) Has bioaccumulation of site contaminants in flora or fauna resulted in a health advisory?.....
 - d) Are site contaminants present at levels that are acutely toxic to fish or wildlife or that have caused documented fish or wildlife mortality?.....
- (1)
[If 1 or more boxes are checked, check this box]

° **Priority II** - Important Sites. Priority II will be assigned if any of the following questions can be answered affirmatively.

- a) Has a Class B or AA surface water body, primary or principal aquifer been contaminated without affecting an existing water supply?.....
 - b) Has bioaccumulation of site contaminants in flora or fauna resulted in actionable levels (but not a health advisory)?.....
 - c) Are contaminants at levels chronically toxic to fish/wildlife?.....
 - d) Have endangered, threatened or rare species, significant habitats, designated coastal zone or regulated wetlands been impacted by releases from the site?.....
- (2)
[If 1 or more boxes are checked, check this box]

° **Priority III** - will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. After remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered. If Priority III, check box 3. (3)

Enter the number of the priority box checked 1, 2, or 3 here..... (4)
This is the site's priority rank.

FACTORS

IJC Factor - If the sites has been identified by the International Joint Commission (IJC) as a component in a remedial action plan, subtract (1) from the value in box 4 and enter the result in box 5..... (5)

EDZ Factor - Is the site within a New York State designated Economic Development Zone (EDZ) should this fact cause the site priority to be raised?..... Yes No

Community Support Factor - If the site has been targeted for local government-supported development by a developer willing to sign a consent order with DEC to finance investigation and remediation should this fact cause the site priority to be raised?..... Yes No

If either "yes" box is checked, subtract 1 from the value in box 4 and enter the result into box 6. If "no" is checked, the value in box 6 equals box 4 (or box 5 if applicable). If both IJC and EDZ/Community Support factors apply, only 1 (not 2) will be subtracted from the value in box 4. The resultant value in box 6 will never be less than 1..... (6)

IRM NOTE: Should this site be considered a candidate for an Interim Remedial Measure (IRM) as defined by 6NYCRR Part 375-1.3a?..... Yes No

If "yes" please explain why: _____

Preparer Scott Rodabaugh Date 3-24-93

CLASSIFICATION WORKSHEET

Site: Universal Instruments / Ever Electronics Co. County: Broome Region: 7

1. Hazardous waste disposed? Y (to 2) N (Stop) U (Stop)

2. Consequential amount of hazardous waste? Y (to 3) N (Stop) U (to 3)

3. Part 375-1.4(a)(1) applies? N (to 4) U (to 4)
 Y (as checked below; Class 2; to 5)

- a. endangered or threatened species
- b. streams, wetlands or coastal zone
- c. bioaccumulation
- d. fish, shellfish, crustacea or wildlife
- e. fire, spill, explosion or toxic reaction
- f. proximity to people or water supplies

4. Part 375-1.4(a)(2) applies? N (C1 3; Stop) U (C1 2a; Stop)

Y (Class 2; to 5) Part 375-1.4 (c) & (7) apply directly to the listing of this site. Part 375-1.4 (1) & (2) also apply to a lesser degree.

5. Factor(s) considered in making this determination:

- There is documented leakage &/or spillage of tetrachloroethylene from storage tanks on the property.
- There is analytical documentation showing groundwater contamination by "perc." @ levels far above Part 703 stds.
- Site is situated over a principal aquifer.

SUMMARY

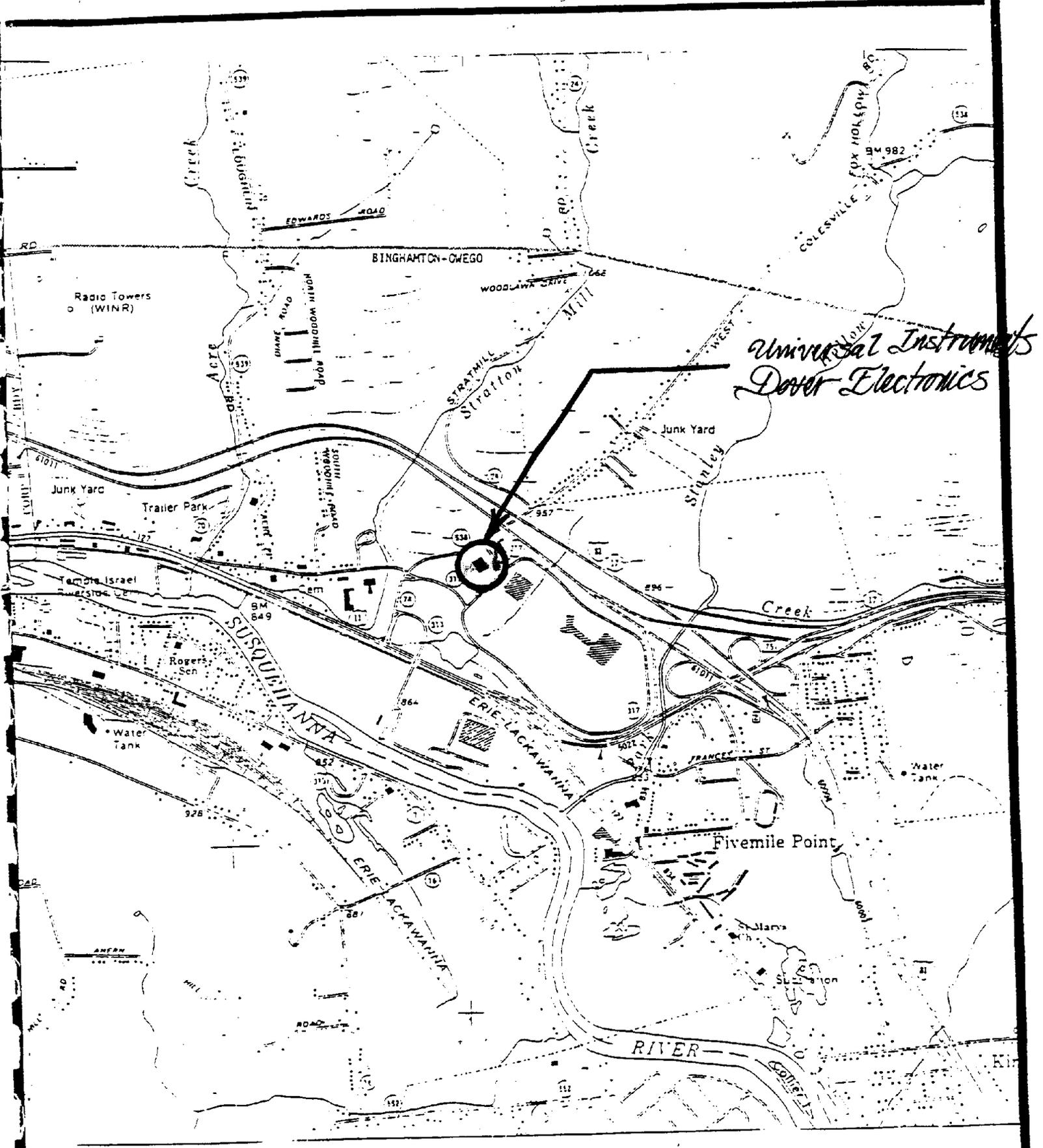
Consequential Hazardous Waste Yes No Unknown

Significant Threat Yes No Unknown

Proposed Classification 2 Site Number 7040--

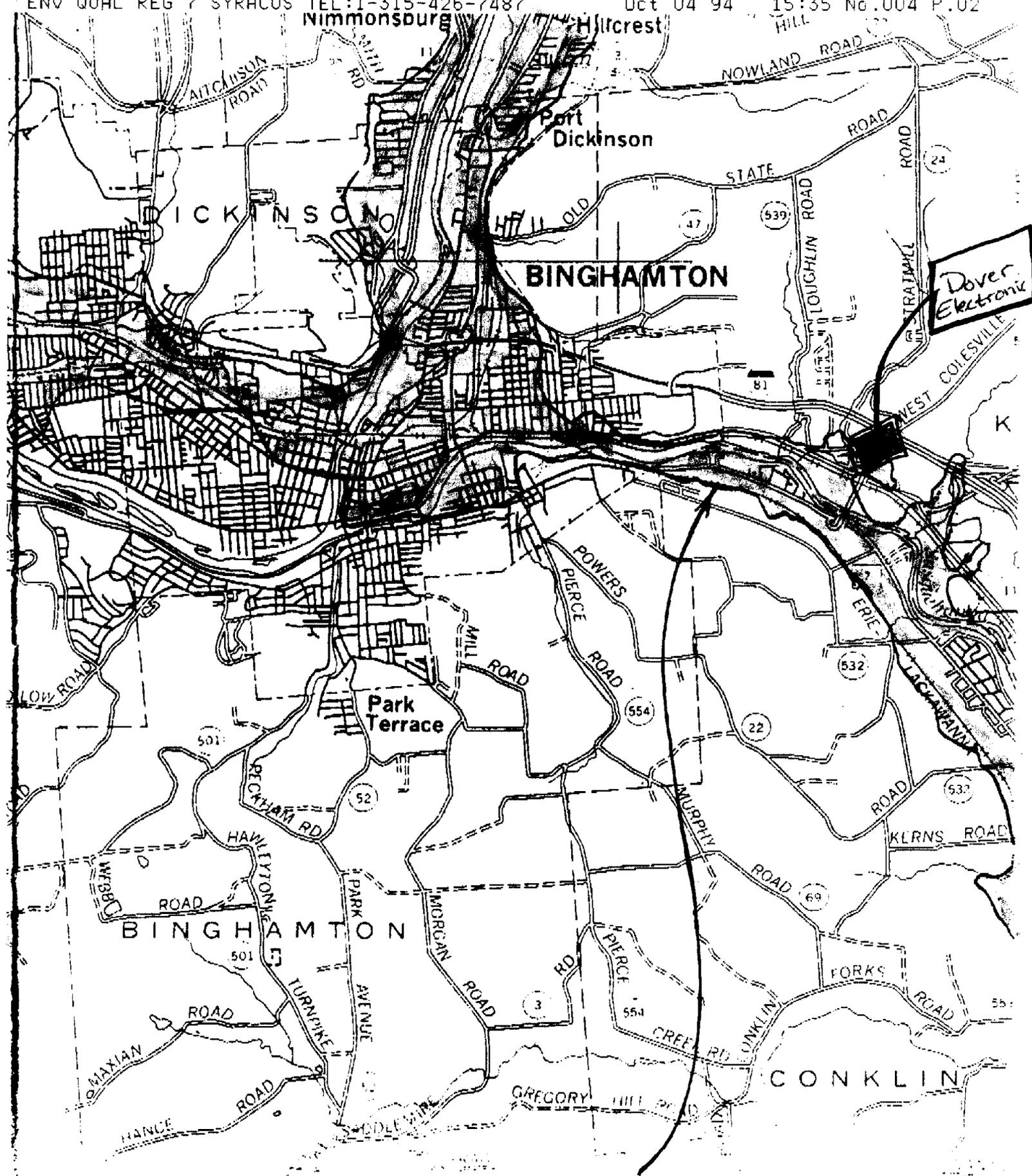
10-7-94
Date

Thomas M. Koch
Signature and Title



*Universal Instruments
Dover Electronics*

Stetson-Harza A HARZA COMPANY 181 Corporate Drive, Utica, NY 13501 (315) 797-5800 Reference: Technology Park 250 Jordan Rd., Troy, NY 12180 (518) 280-8080	DATE	DOVER ELECTRONICS COMPANY Kirkwood North Location Map	FIG. 1. T
	DRAWN		
	NO. 6519		



principal aquifer



SCALE: 1"=60'

10,000 GAL
#2 FUEL OIL
UST (REMOVED)

DRUM
STORAGE
SHED

KIRKWOOD NORTH
MANUFACTURING FACILITY

TETRACHLOROETHYLENE
STORAGE AREA
(REMOVED)

APPROXIMATE LIMITS OF PARKING LOT

KMW2
K-1

KMW3
K-2

LEGEND

-  CATCH BASIN
-  STORM SEWER
-  EXISTING MONITORING WELL
-  SOIL BORING

Stetson-Harza
A HARZA COMPANY

181 Delaware Street, Union, NY 13158 (518) 737-4622
1200 Jordon Pike, Troy, NY 12180 (518) 262-4222

DATE
DRAWN
NO. 6519

DOVER ELECTRONICS COMPANY
Investigation location map

FIGURE
2.1

DRAWING DATE: 06/11/88 3:27:25

TABLE 3.1

TCL VOLATILE ORGANIC COMPOUND DETECTED IN SUBSURFACE SOIL ($\mu\text{g/l}$)

SAMPLE	TETRACHLOROETHYLENE	SAMPLE DEPTH (FT)	HEAST VALUES ⁽¹⁾		
K1	28.7	10-12	1,400		
K2		10-12			
K3A		3-4.5			
K3B		8-10			
K4A		3-5			
K4B		8-9.3			
K5A		3-5			
K5B		8-10			
K6A		8-10			
K6B		3-5			
K7A		105		3-5	1,400
K7B		7,780		10-12	1,400

(1) USEPA Health Effects Assessment Summary Table ($\mu\text{g/l}$)

TABLE 3.2

TCL VOLATILE ORGANICS DETECTED IN GROUNDWATER SAMPLES (μl)

	KMW1	KMW2	KMW3	NYS GROUNDWATER STANDARD
Tetrachloroethylene	1,240	66.7	2,400	5
Trichloroethylene	240			5
C-1,2-dichloroethylene	190			5

TABLE 3.3

SURFACE AND GROUNDWATER ELEVATIONS
MONITORING WELLS KMW1-KMW3 (FEET ABOVE MSL)

	TOP OF CASING	APPROXIMATE SURFACE ELEVATION	DEPTH GW FROM TOC	APPROXIMATE GROUNDWATER ELEVATION
MW1	916.38	911.0	39.4	877.0
MW2	863.89	862.2	9.4	854.5
MW3	859.94	860.2	4.0	855.9

S-H No. 6519

TABLE A.1

PHASES I AND II
 MAXIMUM CONTAMINANT CONCENTRATIONS FOR
 DOVER ELECTRONICS COMPANY
 KIRKWOOD NORTH SITE

SITE	CONTAMINANT	CONCENTRATION		
		SOIL (1) (ug/kg)	GROUNDWATER (2) (ug/l)	SURFACE WATER (3)
Kirkwood North	Trichloroethylene	260	8	327
	Tetrachloroethylene		48	10,400
	Benzene		11	
	Cis-1,2-dichloroethene			1,760

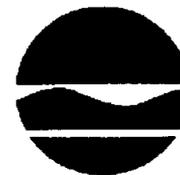
NOTES:

- (1) Directly in front of Tetrachloroethylene tanks.
- (2) Monitoring well KMW1.
- (3) Catch basin behind Kirkwood site.

REFERENCES:

"Environmental Site Assessment for Dover Electronics Company DEM - East and Kirkwood North Locations", Hagopian Engineering Associates; October 8, 1990.

"Phase II Environmental Site Assessment for Dover Electronics Company"; Hagopian Engineering Associates; August 29, 1991.



Langdon Marsh
Commissioner

FEB - 9 1995

Richard A. Hogan, Clerk
County of Broome
44 Hawley Street
Binghamton, New York 13902

Dear Mr. Hogan:

The Department of Environmental Conservation (DEC) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at the Kirkwood Industrial Park in the town of Kirkwood and County of Broome and designated as Tax Map Number 4-8-51.6 was recently added as a Class 2 in the Registry. The name and site I.D. number of this property as listed in the Registry is Universal Instruments/Dover Electronics, Site #704026.

The Classification Code 2 means that a significant threat to public health or environment exists -- action required.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

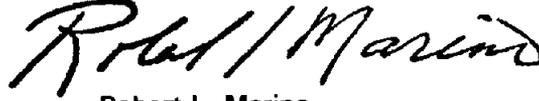
The reason for this recent classification decision is as follows:

- Site investigations of the Dover-Kirkwood North facility indicates groundwater contamination far in excess of applicable groundwater standards. Extensive spillage and or leakage from the tetrachloroethylene storage tanks has caused the contamination. Further work is necessary to adequately determine the extent of contamination and evaluate if other contamination sources are present. Dover has proposed an interim remedial measure (groundwater treatment) at the source area. The plume of groundwater contamination overlies a principal aquifer.

If you would like additional information about this site or the inactive hazardous waste site remedial program, call:

DEC's Inactive Hazardous Waste Site Toll-Free Information Number **1-800-342-9296** or
New York State Health Department's Health Liaison Program (HeLP) **1-800-458-1158, ext.
402.**

Sincerely,

A handwritten signature in black ink that reads "Robert L. Marino". The signature is written in a cursive, flowing style.

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

bcc: R. Marino
T. Reamon
N. Driscoll, R/7
A. Sylvester
A. Carlson
L. Ennist

AS/srh

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233 - 7010

Daybook



Langdon Marsh
Commissioner

NOV 30 1994

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dover Electronics Co.
Kirkwood Industrial Park
Kirkwood, New York 13795

Dear Ladies/Gentlemen:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), copy enclosed, the New York State Department of Environmental Conservation (NYSDEC) must maintain a registry of all inactive disposal sites suspected or known to contain hazardous wastes. The ECL also mandates that this Department notify, by certified mail, the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites.

Our records indicate that you represent the owner or part owner of the site listed below. Therefore, this letter constitutes notification of the inclusion of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 704026
Site Name: Universal Instruments/Dover Electronics
Site Address: Kirkwood Industrial Park, Kirkwood, New York 13795
Site Classification: 2

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Mr. Langdon Marsh
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-1010

For additional information, please contact me at (518) 457-0747.

Sincerely,



Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

Enclosures

bcc: w/o Enc.
E. Barcomb
R. Marino
T. Reamon
A. Sylvester

w/Enc. (Copy of Site Report form only)
R. Dana
G. Anders Carlson, NYSDOH
L. Condra
T. Fucillo, R/7
C. Branagh, R/7
E. Belmore

AS/srh