

1991 - 1992

907016

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Additions/Change to Registry Summary of Approvals

907016

Site Name VAC AIR ALLOYS DEC I.D. Number 907502

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 ☐ _____

BHSC: a. Investigation Section

Yes ☒ No ☐ _____

b. Site Control Section

c. Director

DHWR Assistant Director

Robert H. Manning Date 5/20/91
Richard H. Squire Date 7/15/91
Charles R. Fodda Date 7/27/91

• 1991~92 •

File 86

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME <u>Vac-Air Alloys</u>		2. SITE NO. <u>016</u> <u>957502</u>		3. TOWN <u>Carroll</u>		4. COUNTY <u>Chautauqua</u>	
5. REGION <u>9</u>		6. CLASSIFICATION Current <u> </u> / Proposed <u>2</u>		7. ACTIVITY <input checked="" type="checkbox"/> Add <input type="checkbox"/> Reclassify <input type="checkbox"/> Delist <input type="checkbox"/> Modify			
8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)							
See attached map				<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">MAY</div>			
b. Quadrangle <u>Jamestown</u>		c. Site Latitude <u> </u>		Longitude <u> </u>		BUREAU OF <u>1</u> Tax Map Number <u> </u>	
9a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling location)							
<div style="border: 1px solid black; width: 100%; height: 100px; display: flex; align-items: center; justify-content: center;"> HAZARDOUS SITE CONTROL DIVISION OF HAZARDOUS WASTE REMEDIATION </div>							
See attached sheet							
b. Area <u>93</u> acres		c. EPA ID Number <u> </u>		d. PA/SI <input type="checkbox"/> Yes <input type="checkbox"/> No			
e. Completed: <input type="checkbox"/> Phase I <input type="checkbox"/> Phase II <input type="checkbox"/> PSA <input type="checkbox"/> Sampling							
10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE							
See attached sheet							
11a. SUMMARIZED SAMPLING DATA ATTACHED							
<input type="checkbox"/> Air <input type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Waste <input type="checkbox"/> EP Tox <input type="checkbox"/> TCLP.							
b. List contravened parameters and values							
See attached sheet							
12. SITE IMPACT DATA							
a. Nearest surface water: Distance <u>0</u> ft.		Direction <u>south</u>		Classification <u>C</u>			
b. Nearest groundwater: Depth <u>10</u> ft.		Flow Direction <u>unknown</u>		<input type="checkbox"/> Sole Source		<input type="checkbox"/> Primary <input checked="" type="checkbox"/> Principal	
c. Nearest water supply: Distance <u>300</u> ft.		Direction <u>west</u>		Active <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
d. Nearest building: Distance <u>1000</u> ft.		Direction <u>south</u>		Use <u>residential</u>			
e. Crops or livestock on site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		j. Within a State Economic Development Zone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
f. Exposed hazardous waste? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		k. For Class 2a: Code <u> </u> Health Model Score <u> </u>					
g. Controlled site access? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		l. For Class 2: Priority Category <u>1</u>					
h. Documented fish or wildlife mortality? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		m. HRS Score <u>NA</u>					
i. Impact on special status fish or wildlife resource? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		n. Significant Threat <input checked="" type="checkbox"/> Yes <u>1e, 3</u> <input type="checkbox"/> No <input type="checkbox"/> Unknown					
13. SITE OWNER'S NAME <u>Samuel G. Keywell Co.</u>		14. ADDRESS <u>11900 S. Cottage Grove Ave.</u> <u>Chicago, ILL 60628</u>				15. TELEPHONE NUMBER <u>312, 660-2060</u>	
16. PREPARED BY <u>J. Krajewski</u>		Name, Title and Organization <u>Sr. Engr. Geologist - NYS DEC</u>					
<u>1/31/91</u> Date		<u>Jack Krajewski</u> Signature					
17. APPROVED BY							
<u>Richard H. Dana, Chief, Bureau of Tech. Services, DEC</u>							
Name, Title and Organization							
<u>5/1/91</u> Date		<u>Richard H. Dana</u> Signature					

ATTACHMENT

ADDITIONS/CHANGES TO REGISTRY
OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

Vac-Air Alloys, Town of Carroll, Chautauqua, New York

8a. Vac-Air Alloys Corporation is located in the town of Carroll, Chautauqua County near the northern boundary of the village of Frewsburg. The plant occupies 93 acres adjacent to Conewango Creek and the Frewsburg Municipal Water Supply Wells. The site is located along the Frewsburg-Falconer Road.

9a. The site consists of 93 acres with a guard house, a 112,000 square foot building complex that houses the main process facilities and administrative offices, and an additional 8000 square foot metals processing building. The facility is serviced by a septic tank and sand bed located on the property.

Operations at the site consist of grading, sorting, cleaning, blending and packaging high grade scrap metal. The scrap metal is cleaned by shot blasting and degreasing with solvents, mainly trichloroethylene (TCE). A site investigation is currently in progress. Improper disposal of TCE on-site poses a threat to the adjacent water supply.

10. Waste produced from the process operations include iron dust, TCE sludge, spent TCE, waste lubricating and hydraulic oils. Vac-Air started operations at this site in 1969 and is currently an active operation. Prior to the Vac-Air operations the site was used for the manufacture of wafer board. The quantity of waste disposed is unknown.

11b. Confirmed violations of SPDES permit for TCE, 1,1-trans-dichloroethylene and oil and grease. Soil samples were taken from each of the potential waste disposal areas.

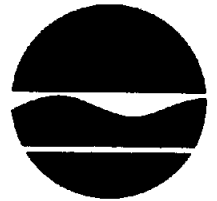
12i. Leachate outbreak from the disposal area discharges to a designated wetland JA-6. Wetland JA-6 is a Class I wetland according to the NYS system of classification. This is the highest rating for a wetland.

The fill area encroaches on the flood plain of Conewango Creek.

JLK/mf
A:K76vac

New York State Department of Environmental Conservation

FEB 20 1991



Thomas C. Jorling
Commissioner

HAZARDOUS WASTE
DIVISION OF ENVIRONMENTAL CONSERVATION
MEMORANDUM WASTE REMEDIATION

TO: Robert Marino, Site Control Section, DHWR, Albany
FROM: Martin Doster, Regional Engineer, DHWR, Buffalo
SUBJECT: Vac-Air Alloys, Carroll (T), Chautauqua County
DATE: February 20, 1991

Attached to this memo is a package of materials for an addition to the Inactive Hazardous Waste Disposal Site Registry. The proposed Class 2 site is the Vac-Air Alloys facility in the Town of Carroll in Chautauqua County. The site was discovered by an investigator of the Department's Bureau of Environmental Conservation Investigation. This criminal investigation is on-going and will be prosecuted by the U.S. Attorney's Office in Buffalo.

The Samuel G. Keywell Company, owner of Vac-Air, has signed a Consent Order for a site investigation (SI) which is currently in progress. The SI* includes evaluation, sampling and analysis of soil/waste, surface water, sediment and ground water. The field work is scheduled for completion in early spring of this year with a report to follow. The analytical data will be available prior to the submittal of the report which can be used in support of this addition.

If you have any questions regarding this matter, feel free to contact Gregory Sutton of the Region 9 Office of DHWR (716/847-4585) or Jack Krajewski of the DEE, Buffalo Office (716/847-4582).

*See attached sheets for field investigation overview.

vam

Attachments

cc: Gregory Sutton - Region 9 DHWR
Joseph Ryan - Region 9 DEE
Walter Demick - DHWR Albany



New York State Department of Environmental Conservation

MEMORANDUM

Bob Marino

TO: Walt Demick
FROM: Will Welling *Will Welling*
SUBJECT: Vac-Air Alloys, Carrol (T), Chautauqua County

DATE: MAY 10 1991

I spoke over the phone with Jack Krajewski on May 10, 1991. He said monitor wells for the SI were recently sampled. Data should be available in mid June at the earliest.

The town wells draw from a highly transmissive aquifer which is overlain by a sequence of silty clay thicker than six feet. TCE disposal at Vac-Air has contaminated the unconsolidated sediments above the silty clay layer. Levels of TCE in on-site soil are in the range of hundreds and even thousands of parts per million, according to results of DEC's sampling of soils and subsequent analysis by the USEPA lab in Colorado.

I recommend that we sign off and list the site as a "2."

° Priority I - Top priority sites; supersede all others. Priority I can be assigned if any of the following criteria is met:

- a) A sole source or primary aquifer, or a public or private water supply is being contaminated or threatened, or ☒
- b) Human exposure to contaminants has been identified which represents a Significant health risk as determined by DOH, or ☐
- c) There is a bioaccumulation of site contaminants in flora or fauna which results in a health advisory, or ☐
- d) Site contaminants are at levels that are acutely toxic to fish or wildlife or have caused documented fish or wildlife mortality, or ☐
- e) An expedient response could measurably reduce the threat to health or the environment, reduce the scope of a corrective action, or reduce potential remedial costs. ☐

° Priority II - Important sites. Priority II can be assigned if any of the following criteria is met: ☐

- a) A Class AA or a Class A surface water body or a principal aquifer is being contaminated or threatened; however, no existing water supply has been contaminated, or ☐
- b) There is a bioaccumulation of site contaminants in flora or fauna which results in advisory or actionable levels but below levels necessitating a health advisory, or ☐
- c) Site contaminants are at levels chronically toxic to fish/wildlife, or ☐
- d) Endangered, threatened or rare species, significant habitats, designated coastal zone areas or regulated wetlands are being impacted by releases from the site, or ☐
- e) The site is identified by the International Joint Commission (IJC) as a component in a Remedial Action Plan (RAP), or ☐
- f) The site is within a State Economic Development Zone or is targeted for local government supported development and the developer has expressed a willingness to enter into a consent order with DEC to finance investigation and remediation. ☐

° Priority III - General Site Category. Priority III will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. When resources become available, after remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered. ☐

COMMENT Frewsburg water district well field is approximately 300 feet west of the site. Knowledge of the geology is limited so the actual impact will not be known until monitoring wells and ground water samples are taken.

Filled out by (Name):

Jack Krajewski
Jack Krajewski

Date: 2/1/91

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2 REGION: 9 SITE CODE: 907016
EPA ID:

NAME OF SITE : Vac-Air Alloys
STREET ADDRESS: Falconer Road
TOWN/CITY: Carroll (T) COUNTY: Chautauqua ZIP: 14738

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Pond-
ESTIMATED SIZE: 93 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Samuel G. Keywell Co. Vac Air Alloys
CURRENT OWNER ADDRESS.: 11900 S. Cottage Grove Ave., Chicago, IL
OWNER(S) DURING USE...: Vac-Air Alloys Corp.
OPERATOR DURING USE...: Vac-Air Alloys
OPERATOR ADDRESS.....: Falconer Road, Carroll, N.Y.
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1969 To Present

SITE DESCRIPTION:

The Vac-Air Alloys facility is located in the Town of Carroll near the northern boundry of the village of Frewsburg. The plant is located adjacent to Conewango Creek and across Falconer Road from the Frewsburg Water District Supply Wells. Vac-Air started operations at this site in 1969 and is currently an active operation. Prior to the Vac-Air operations the site was used for the manufacture of wafer board. The facility operations consist of the grading, sorting, cleaning, blending and packaging of high grade scrap-metal. The metal is cleaned by shot blasting, and degreased with solvents, mainly trichloroethylene (TCE). Waste produced from process operations include iron dust, TCE sludge, spent TCE, waste lubricating and hydraulic oils. Confirmed violations of SPDES permit for TCE, 1,1-transdichloroethylene, oil and grease. Leachate outbreaks from the disposal area discharge to a Class I designated wetland. The facility has entered into an Order on Consent with the DEC to conduct a Site Investigation of the site regarding improper disposal practices. Groundwater and surface water samples collected by the USEPA in May 1991 revealed TCE levels of up to 80 ppm.

HAZARDOUS WASTE DISPOSED: Confirmed-X
TYPE

Suspected-
QUANTITY (units)

Trichloroethylene (F001)

Unknown

ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater-X Soil-X Sediment-X

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water- Surface Water-X Air-

LEGAL ACTION:

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

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

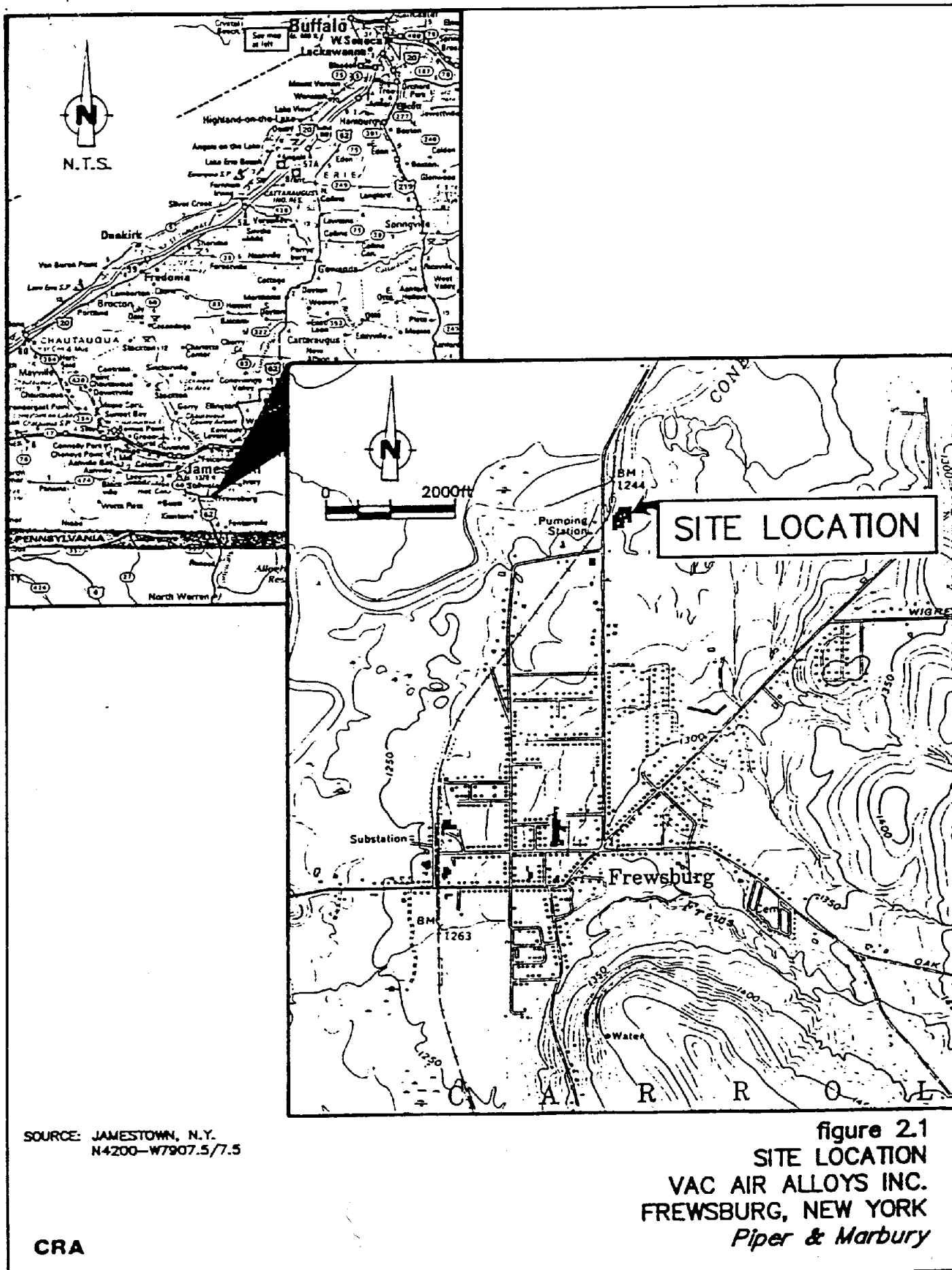
GEOTECHNICAL INFORMATION:

SOIL TYPE: Interlayered lenses of sand/gravel and clay
GROUNDWATER DEPTH: Approx. 15 ft.

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Confirmed contamination of Groundwater and surface water with solvents.
Contamination could impact the Frewsburg Water District Well Field which
is 300 ft. away.

ASSESSMENT OF HEALTH PROBLEMS:



SOURCE: JAMESTOWN, N.Y.
N4200-W7907.5/7.5

CRA

figure 2.1
SITE LOCATION
VAC AIR ALLOYS INC.
FREWSBURG, NEW YORK
Piper & Marbury



figure 2.3
POTENTIAL AREAS OF CONTAMINATION
VAC AIR ALLOYS INC.
FREWSBURG, NEW YORK
Piper & Marbury

TABLE 2.1
POTENTIAL AREAS OF CONTAMINATION
FREWSBURG PLANT SITE
VAC AIR ALLOYS CORPORATION
FREWSBURG, NEW YORK

<i>Location I.D.</i>	<i>Description</i>
Area 1	1,000 gallon oil/water separator.
Area 2	Area 20 feet south of the northern fence line and 80 feet west of the east fence line.
Area 3	Bank of the Conewango River north of the Site.
Area 4	Area suspected to be contaminated with TCE.
Area 5A	Suspected fill area (20 feet square) 15 to 20 feet deep.
Area 5B	Area over the underground culvert pipe which was reportedly backfilled with construction/demolition debris.
Area 6	Degreaser room in the Main Building.
Area 7	Concrete Bin Area for unprocessed scrap metal.
Area 8	Area east of the frame building potentially backfilled with soils/materials encountered in Area 1.
Area 9	Suspected fill area north of the Bin Area.
Area 10A	500 gallon oil/water separator north of Area 5B.
Area 10B	Low area east of Area 10A potentially contaminated with oily wastes from Area 7.
Area 11	Area west of Area 7 outside the fence line potentially contaminated with oily wastes from Area 7.
Area 12	Septic tank and tile bed field east of the parking lot.
Area 13	Former leach field


Note:

Based on allegations made by the New York State Department of Environmental Conservation.

DRAFT

JAN 10 1991

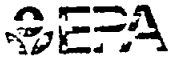
APPENDIX 4-2

	POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left; padding: 2px;">I. IDENTIFICATION</th> </tr> <tr> <td style="width: 50%; padding: 2px;">01 STATE</td> <td style="width: 50%; padding: 2px;">02 SITE NUMBER</td> </tr> </table>	I. IDENTIFICATION		01 STATE	02 SITE NUMBER
I. IDENTIFICATION						
01 STATE	02 SITE NUMBER					
II. HAZARDOUS CONDITIONS AND INCIDENTS <small>(Continued)</small>						
<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input checked="" type="checkbox"/> J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION</td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: _____)</td> <td style="width: 20%;">03 <input checked="" type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table> <p>There is a leachate discharge to NYS wetland JA-6. JA-6 is a Class I wetland with a large number of plants and animals sensitive to contamination.</p>			01 <input checked="" type="checkbox"/> J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	03 <input checked="" type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input checked="" type="checkbox"/> K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION <small>(include names of species)</small></td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: _____)</td> <td style="width: 20%;">03 <input checked="" type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table> <p>See above</p>			01 <input checked="" type="checkbox"/> K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION <small>(include names of species)</small>	02 <input type="checkbox"/> OBSERVED (DATE: _____)	03 <input checked="" type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input type="checkbox"/> L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION</td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: _____)</td> <td style="width: 20%;">03 <input type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table>			01 <input type="checkbox"/> L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	03 <input type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input checked="" type="checkbox"/> M. UNSTABLE CONTAINMENT OF WASTES <small>(Spills/runoff/standing liquids/leaking drums)</small> 03 POPULATION POTENTIALLY AFFECTED: _____</td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: <u>12/10-14/90</u>)</td> <td style="width: 20%;">03 <input type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table> <p>04 NARRATIVE DESCRIPTION Potential for TCE disposed of on the ground with permeable soils and susceptible to surface runoff and stream erosion.</p>			01 <input checked="" type="checkbox"/> M. UNSTABLE CONTAINMENT OF WASTES <small>(Spills/runoff/standing liquids/leaking drums)</small> 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: <u>12/10-14/90</u>)	03 <input type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input type="checkbox"/> N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION</td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: _____)</td> <td style="width: 20%;">03 <input type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table>			01 <input type="checkbox"/> N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	03 <input type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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<table style="width: 100%;"> <tr> <td style="width: 40%;">01 <input type="checkbox"/> O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION</td> <td style="width: 20%;">02 <input type="checkbox"/> OBSERVED (DATE: _____)</td> <td style="width: 20%;">03 <input type="checkbox"/> POTENTIAL</td> <td style="width: 20%;">04 <input type="checkbox"/> ALLEGED</td> </tr> </table>			01 <input type="checkbox"/> O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	03 <input type="checkbox"/> POTENTIAL	04 <input type="checkbox"/> ALLEGED
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05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS						
III. TOTAL POPULATION POTENTIALLY AFFECTED: <u>2500</u>						
IV. COMMENTS						
V. SOURCES OF INFORMATION <small>(Cite specific references, e.g., State files, sample analysis, reports)</small>						
<ul style="list-style-type: none"> • Personal observations 12/10-14/90 • Personal communication w/employees • NYS DEC Division of Water SPDES discharge reports 						

DRAFT

JAN 10 1991

APPENDIX 4-3


**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS
I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
 03 POPULATION POTENTIALLY AFFECTED 2500 04 NARRATIVE DESCRIPTION
 Disposal of TCE wastes on the ground may infiltrate into groundwater which is the source of local drinking water. The Frewsburg water district supply well field is approx. 300 feet from the alleged disposal area. Analytical results dated 6/90 for the water district wells do not indicate any contamination.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
 03 POPULATION POTENTIALLY AFFECTED unknown 04 NARRATIVE DESCRIPTION
 State SPDES permit violations for TCE and 1,2-Trans-Dichloroethylene. Leachate outbreak discharge to Class I wetland JA-6.

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

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

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

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE 12/10-14/90) ☐ POTENTIAL ☐ ALLEGED
 03 AREA POTENTIALLY AFFECTED approx 20 acres 04 NARRATIVE DESCRIPTION
 Test pits excavated from 12/10-14/90 revealed several areas contaminated with volatile organics. The pits were screened with organic vapor detectors and samples were taken for analysis.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
 03 POPULATION POTENTIALLY AFFECTED 2500 04 NARRATIVE DESCRIPTION
 TCE discharged to the ground has the potential to enter groundwater and migrate to the Frewsburg water district well field located approximately 300 feet west of the site.

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

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

EPA FORM 2070-12 (7-81)

DRAFT
JAN 10 1991

EPA		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
II. SITE NAME AND LOCATION		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER		01 STATE	02 SITE NUMBER
01 SITE NAME (Legal, common, or descriptive name of site)		Frewsburg - Falconer Road			
03 CITY		04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE
Carroll (Town)		NY		Chautauqua	
08 COORDINATES		09 LONGITUDE			
LATITUDE					
10 DIRECTIONS TO SITE (Starting from nearest public road)					
III. RESPONSIBLE PARTIES					
01 OWNER (if owner)		02 STREET (Business, mailing, residential)			
Samuel G. Keywell Co.		11900 S. Cottage Grove Avenue			
03 CITY		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Chicago		IL	60628	(312) 660-2060	
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)			
		09 STATE	10 ZIP CODE	11 TELEPHONE NUMBER	
09 CITY				()	
12 TYPE OF OWNERSHIP (Check one)					
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)					
<input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 ci) DATE RECEIVED: _____ <input type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 12/11-14/90 <input type="checkbox"/> NO MONTH DAY YEAR		<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)			
02 SITE STATUS (Check one)		03 YEARS OF OPERATION			
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		1969 still active <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED					
Trichloroethylene (TCE) and degradation products and materials contaminated with TCE from degreaser operations.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
Potential TCE contamination of on-site soils, groundwater and surface water. Leachate discharge to NYS Class I wetland. Disposal of waste material in flood plain of Conewango Creek. Potential contamination of Frewsburg water supply well field with TCE.					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)					
<input checked="" type="checkbox"/> A. HIGH <input type="checkbox"/> B. MEDIUM <input type="checkbox"/> C. LOW <input type="checkbox"/> D. NONE (Inspection required promptly) (Inspection required) (Inspection time available based) (No further action needed. Complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT		02 OF (Agency, Organization)		03 TELEPHONE NUMBER	
Cheryl Peterson-Attorney		New York State Dept. of Environmental Conservation (DEC)		(716) 847-4582	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Jack Krajewski		DEC	Env. Enforce.	(716) 847-4582	2, 1, 91 MONTH DAY YEAR

**SITE INVESTIGATION
WORK PLAN**

VOLUME I

**VAC AIR ALLOYS CORPORATION
FREWSBURG, NEW YORK**

**DECEMBER 1990
REF. NO. 2326 (3)**

CONESTOGA-ROVERS & ASSOCIATES

A comprehensive topographic map delineating the Site boundaries, private property ownership in the vicinity of the Site and the location of the Frewsburg municipal water supply wells will also be prepared. The topographic map will be referenced to the nearest geodetic benchmark.

4.3 TASK 2 - CONTRACTOR PROCUREMENT

Qualified and experienced subcontractors will be retained for excavation, drilling, and analytical services, as required, to perform the field investigation activities. NYSDEC will be advised of the subcontractors proposed for this program prior to commencing field investigation activities. All analytical services shall be provided by a qualified analytical laboratory which is technically acceptable to the NYSDEC.

4.4 TASK 3 - FIELD INVESTIGATION

4.4.1 Overview

The specific objectives of Task 3, Field Investigation, are to determine:

- i) the extent to which waste materials or chemical contamination may be present in the potentially contaminated areas;
- ii) the nature of contamination and/or wastes, if found;

- iii) the impact of the septic tank and sand bed and other subsurface utilities, if any, on the environment;
- iv) the potential contaminant migrations pathways from the Site;
- v) the hydraulic impact of the operation of the adjacent Frewsburg municipal well field on the groundwater beneath the Site; and
- vi) the impact of the Site's operation on the Frewsburg municipal wells.

Activities to be performed as part of Task 3 include:

- i) excavation of test pits and drilling of boreholes;
- ii) soil sampling;
- iii) surface water and sediment sampling; and
- iv) hydrogeologic investigation.

The scope of each activity to be performed is described in the subsections to follow.

All work tasks conducted as part of Task 3, Field Investigation, will be performed in strict accordance with the HASP and the QAPP.

Prior to implementation of ground invasive activities, the location of subsurface utilities shall be determined to the extent possible, from available Site plans.



New York State Department of Environmental Conservation

MEMORANDUM

- 1991

TO: Tony Silvester, Bur. Haz. Site Control - Albany
FROM: Jack Krajewski, Div. of Envir. Enforcement - Buffalo
SUBJECT: Vac-Air Alloys, Carroll(T), Chautauqua County

DATE: June 14, 1991

As I promised in our recent phone conversation, I am forwarding the tax map numbers, latitude and longitude for the facility listed above.

Tax Map #	-	Section 1	Block 1	Lot 18
		"	"	Lot 19.1
		"	"	Lot 19.2
		"	"	Lot 20
		"	"	Lot 42.2.4

Latitude - 42° 4' 10"

Longitude - 79° 9' 20"

JLK/mf
A:K57vac

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENFORCEMENT
NATIONAL ENFORCEMENT INVESTIGATIONS CENTER
BUILDING 53, BOX 25277, DENVER FEDERAL CENTER
DENVER, COLORADO 80225

CONFIDENTIAL

DATE June 6, 1991

MEMORANDUM

SUBJECT: Analytical Results for Samples from the Vac Air Alloys
Investigation, Frewsburg, New York - Case 42Q.

FROM: John W. Fowler, Chief Unit 2
Analytical Investigation Section *J. W. Fowler*

TO: Bill Graff, Senior Special Agent
Office of Criminal Investigations, New York

Five monitoring well samples, a leachate water sample, and a leachate sediment sample were received on May 2, 1991, from the Vac Air Alloys investigation in Frewsburg, New York. Portions of the samples were analyzed for volatile organic compounds. The results are summarized in Table 1. No other volatile organic compounds were detected in the water samples at a detection limit of 0.05 mg/L in the water samples or at a detection limit of 5 mg/kg in the sediment sample.

The water samples were analyzed directly by the purge and trap technique with a gas chromatograph/mass spectrometer. A methanol extract of the sediment sample was analyzed by the purge and trap technique with a gas chromatograph/mass spectrometer.

cc: J. Lowry, NEIC
K. Nottingham, NEIC
C. Aschwenden, NEIC

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Table 1

Vac Air Alloys
Frewsburg, New York
Volatile Organic Analyses Results

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Station Number	Station Location	Analytical Results
GW-01	MW-1	0.28 mg/L hexane
GW-02	MW-6	0.62 mg/L hexane
GW-03	MW-2	0.58 mg/L 1,1-dichloro-ethylene 0.24 mg/L trans-1,2-dichloro-ethylene 3.7 mg/L trichloroethylene 200. mg/L cis-1,2-dichloro-ethylene
GW-04	MW-4	63. mg/L trichloroethylene
GW-05	MW-3	37. mg/L trichloroethylene 1.2 mg/L cis-1,2-dichloro-ethylene
SW-1	Leachate Water	80. mg/L trichloroethylene 170. mg/L cis-1,2-dichloro-ethylene
1-1	Leachate Sediment	26. mg/L trichloroethylene 140. mg/L cis-1,2-dichloro-ethylene

EPA/NEIC/Denver

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