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**FINAL CLOSURE REPORT**

**EX-SITU SOIL VAPOR EXTRACTION PROGRAM**

**Vibratech, Inc.  
Buffalo, New York**

**PRINTED ON**

**AUG 11 1997**

# FINAL CLOSURE REPORT

## EX-SITU SOIL VAPOR EXTRACTION PROGRAM

Vibratech, Inc.  
Buffalo, New York

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CONESTOGA-ROVERS & ASSOCIATES

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## 1.0 INTRODUCTION

An ex situ soil vapor extraction (SVE) system was installed to remediate contaminated soil at the former Vibratex, Inc. facility located at 537 East Delevan Avenue (Site) in Buffalo, New York (see Figure 1.1) in October 1995. This SVE system was installed and operated in accordance with the Soil Vapor Extraction Work Plan prepared for Vibratex by Conestoga-Rovers & Associates (CRA) dated May 1995.

The SVE system was installed and operated in accordance with the Work Plan until monitoring data indicated that the concentration of volatile organic compounds (VOCs) of concern in the soil had been significantly reduced and closure requirements had been achieved. A confirmatory soil sampling and analysis program was conducted to verify closure conditions.

H.F. Darling (Darling) was contracted to excavate the contaminated soils and construct the SVE piles as directed by CRA. Marcor Environmental (Marcor) was contracted to disassemble the SVE piles and place the soils back into the excavation. New York State Department of Environmental Conservation (NYSDEC) representative Mr. Maurice Moore conducted regular Site visits during the remedial activities.

## 2.0 SVE SYSTEM DESCRIPTION

Four SVE soil piles of approximately 139 cubic yards (c.y.) each, and one of approximately 83 c.y. were constructed to the approximate dimensions shown on Figure 2.1. The piles were placed on an underliner and covered with a 10 mil polyethylene cover. The cover, along with a temporary berm constructed from crushed stone around the perimeter of each pile, prevented water infiltration, erosion of the piles, and leaching from the piles.

Two 2-inch diameter corrugated perforated high density polyethylene (HDPE) pipes were installed within each pile as the pile was created. The pipes extended the full length of the piles to within 2 to 2.5 feet of the sides of the piles. Valving was arranged to allow flexible operation of the SVE system whereby the two lines could be operated in any combination of air extraction and passive injection in order to maximize the rate of contaminant removal from the pile. The VOC laden air was then treated by passing it through vapor phase activated carbon (VPAC) before discharging to the atmosphere.

While excavating soil for placement into SVE pipes, soil contamination with fuel oil #6 was encountered. This soil was inappropriate for treatment within the SVE piles and was therefore disposed of through Chemical Waste Management (CWM). Eleven 20 c.y. rolloffs were used to transport this soil to CWM's Model City Landfill Facility. Copies of the waste profile sheet, confirmation letter, manifests, and certificates of disposal for disposal of fuel oil contaminated soils are included as Appendix A.

### 3.0 SVE SYSTEM OPERATION AND MAINTENANCE

Operation of the SVE system was initiated on November 6, 1995 and shutdown on December 22, 1995 for the winter. The system was restarted on May 17, 1996 and ran until August 12, 1996. A summary of pertinent operation and monitoring data is presented in Table 3.1. During the treatment period the vacuum blower operated at an air flow rate of approximately 160 cubic feet per minute (cfm) for over 2,300 hours. Based on an estimated soil porosity of 30 percent and total soil volume of 639 c.y., it is estimated that over 4,200 pore volume exchanges had been achieved during the period.

#### 4.0 SOIL PILE CONFIRMATORY SAMPLING

Confirmatory soil sampling for SVE system closure was conducted on October 24, 1996 and November 18, 1996. Soil pile and confirmatory sample locations are shown on Figure 4.1. All confirmatory samples were obtained in accordance with the SVE Work Plan.

Subsurface samples were collected from four locations in soil piles 1 through 4 and from three locations in the smaller soil pile. Samples were collected using precleaned bucket augers. Table 4.1 is a summary of the target compound list (TCL) VOCs using United States Environmental Protection Agency (USEPA) SW-846 Method 8240.

An analytical data quality assessment and validation report for the confirmatory sample results is included in Appendix B. This report includes a tabulation of all analytical results. All data were acceptable for use with qualifications noted.

A total of 20 confirmatory soil samples (including one field duplicate) were analyzed. All sample VOC concentrations were below cleanup levels specified in the SVE Work Plan.

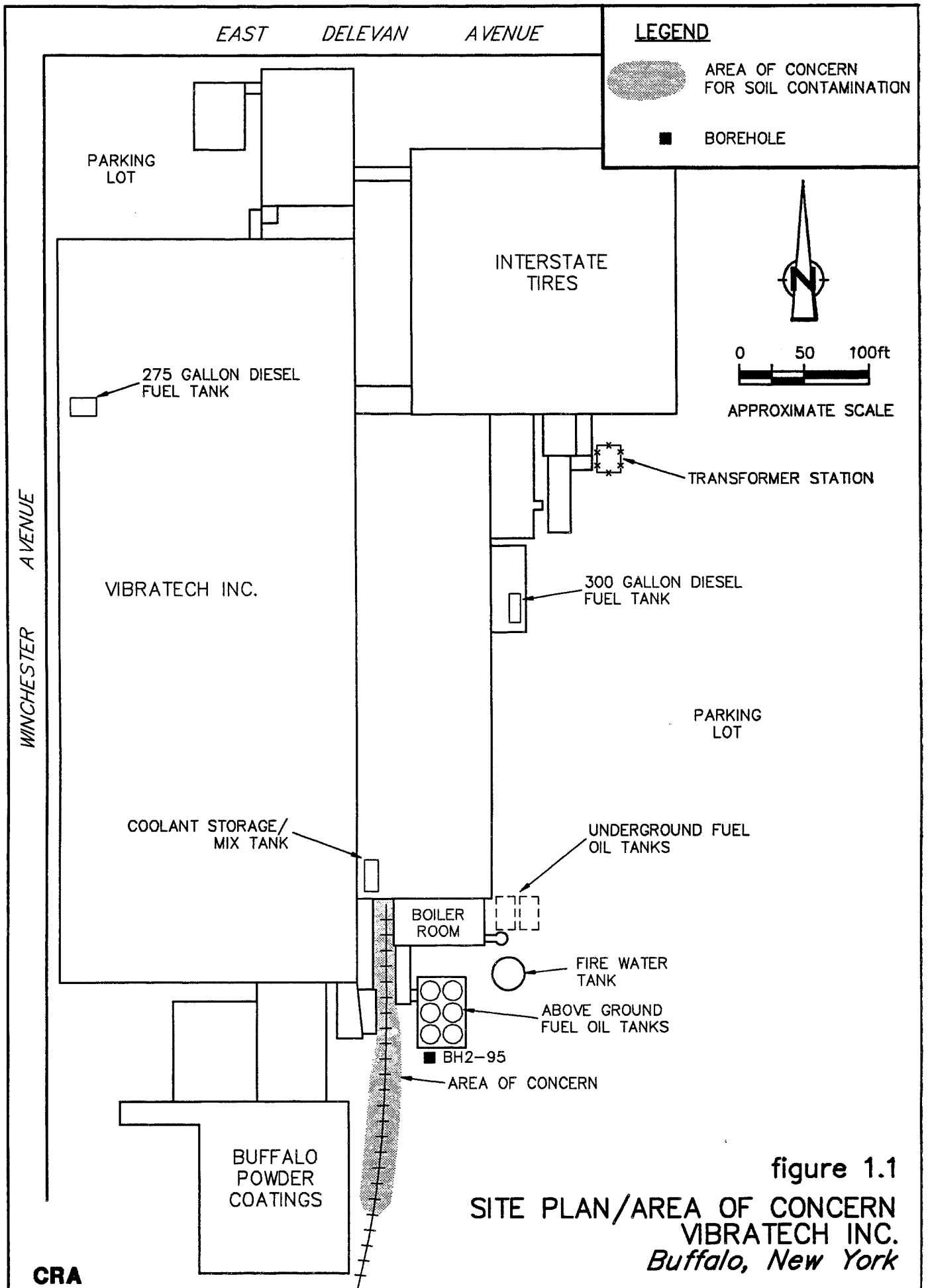


## 5.0 SVE SYSTEM CLOSURE

The monitoring of the SVE system shows that the VOCs of concern have been effectively removed from the soils at the Site. Confirmatory soil sampling and analysis shows levels are below the NYSDEC clean-up levels specified in the SVE Work Plan and approved by NYSDEC. Based on this information and the approval from the NYSDEC, the SVE system operation was terminated and the vapor phase carbon drums have been properly disposed off-Site. A copy of the carbon disposal manifest is included in Appendix C.

The soil piles were placed back into the excavation in March 1997 by Marcor. The plastic and piping was disposed of at a sanitary landfill. This closure concludes the soil remediation activities at the Site. Groundwater at the Site will continue to be monitored in accordance with the Site groundwater monitoring plan.

## FIGURES



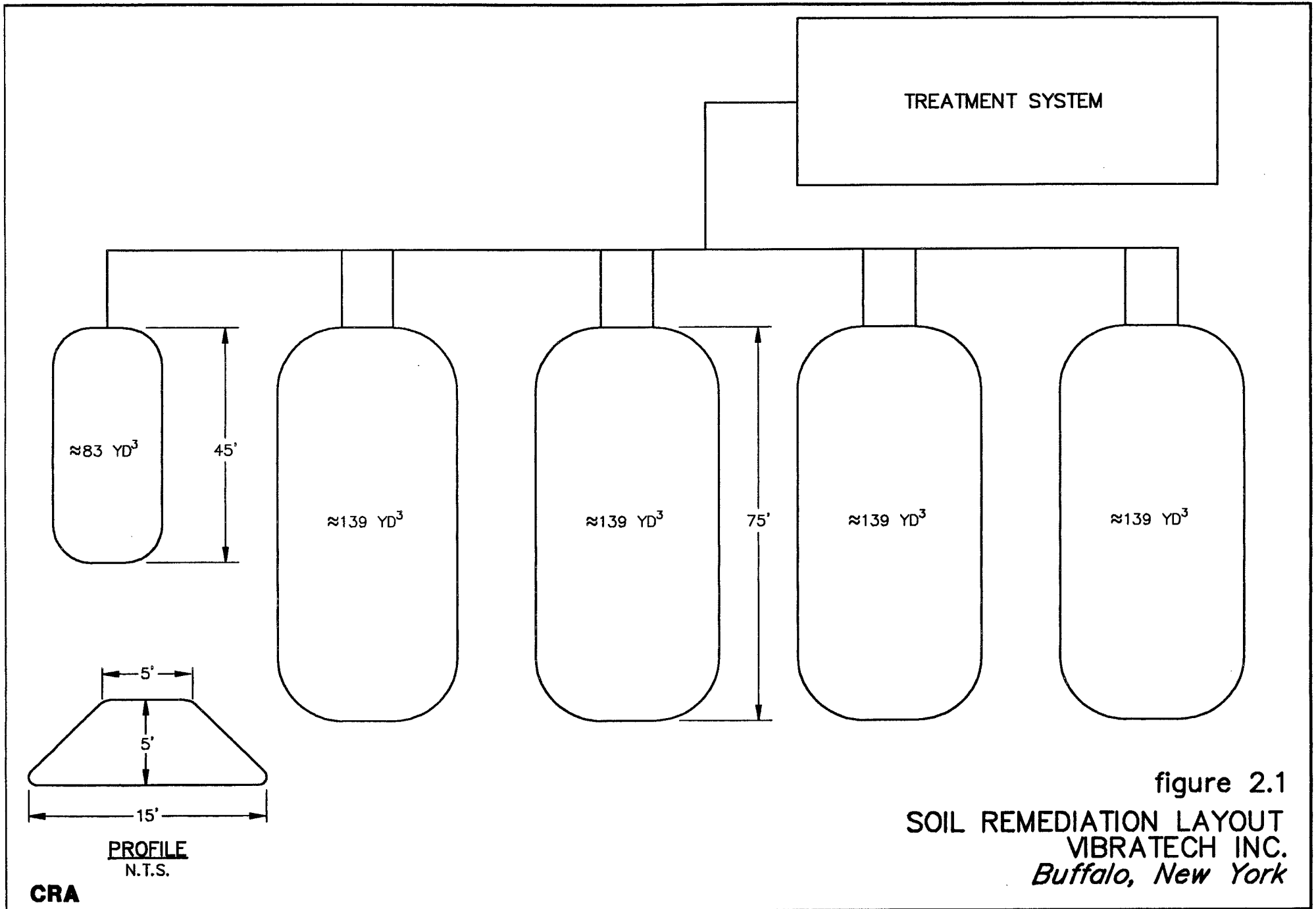


figure 2.1  
 SOIL REMEDIATION LAYOUT  
 VIBRATECH INC.  
 Buffalo, New York

**CRA**

**LEGEND**

- 4 ● SAMPLE SEQUENCE NUMBER; SEE ATTACHED TABLE FOR CORRESPONDING SAMPLE ID NUMBERS.

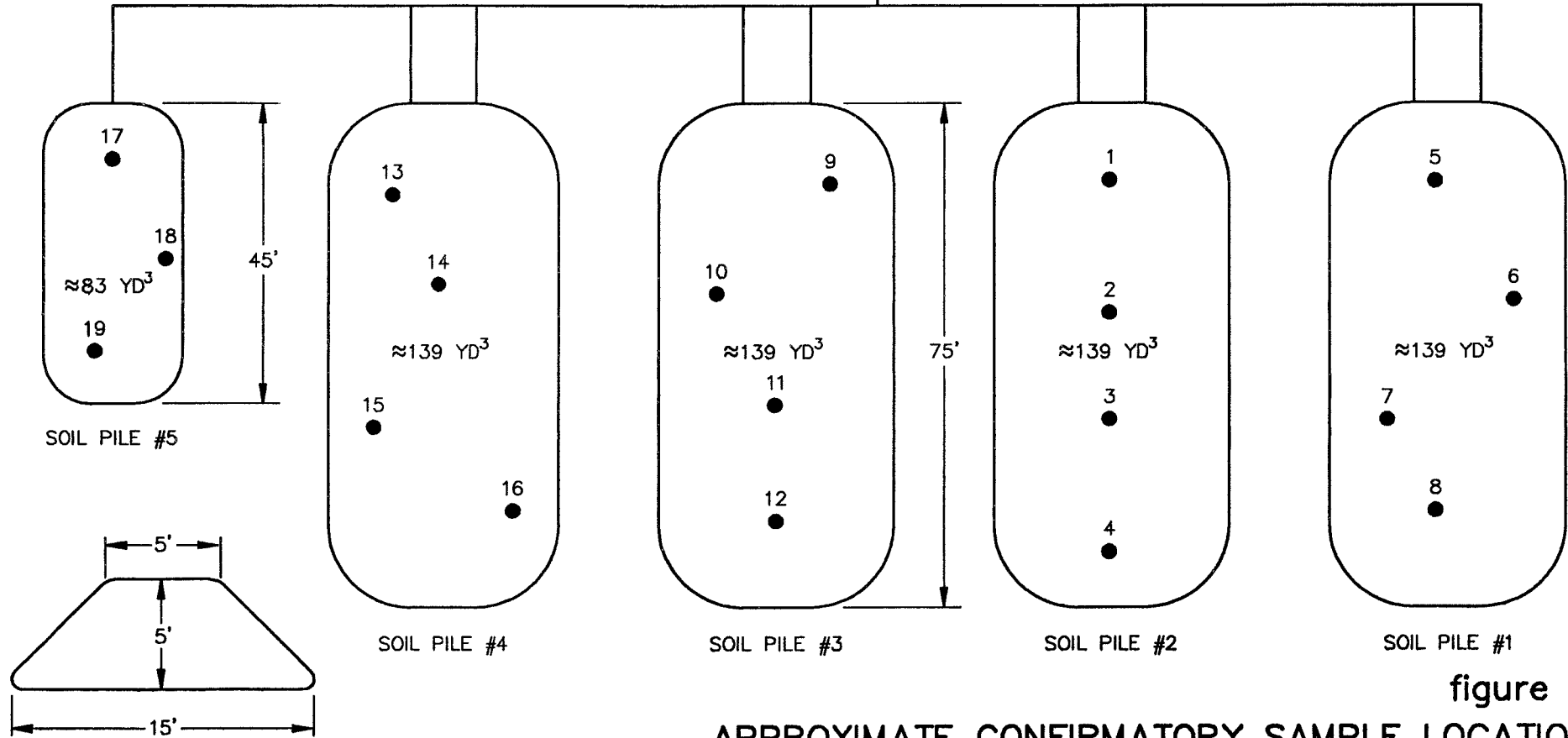
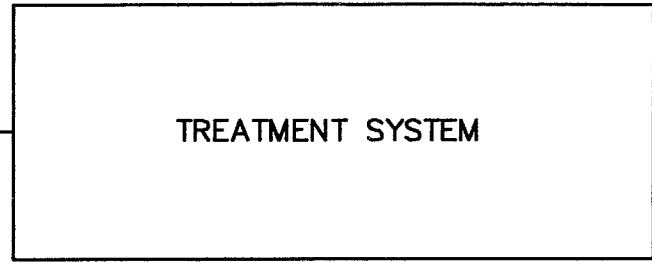


figure 4.1

APPROXIMATE CONFIRMATORY SAMPLE LOCATIONS  
VIBRATECH INC.  
Buffalo, New York

**CRA**

TABLE 3.1  
SUMMARY OF SYSTEM MONITORING THROUGH AUGUST 1996  
SOIL VAPOR EXTRACTION PROGRAM  
VIBRATECH, INC.

Date	Elapsed Running Time (hours)	Flow Rate (cfm)	Extracted Air		Discharge Air (PID)	
			PID	Draeger Tube (1) (ppm)	Line (A) (ppm)	Line (B) (ppm)
11/06/95 (2)	0	150	89.9	20	0.0	0.0
11/07/95	25.32	130	-	15	-	-
11/08/95	49.46	130	39.4	10	0.0	0.0
11/09/95	71.49	160	31.4	8	0.2	0.0
11/10/95	95.27	160	30.0	7	0.6	0.5
11/13/95	141.62	-	28.2	5	-	-
11/17/95	234.23	160	28.4	4	3.6	2.1
11/21/95	329.70	165	26.8	4	-	-
12/01/95	563.31	165	-	3	-	-
12/07/95	715.70	165	20.0	3	-	-
12/13/95	859.01	165	18.0	2	-	-
12/22/95	963.34	150	27.7	2	0.0	0.0
05/17/96	964.83	155	98.0	4	0.8	1.3
05/31/96	1294.86	160	104.0	3	1.0	1.8
06/11/96	1559.43	160	81.0	2	3.1	5.0
06/14/96	1625.27	160	64.0	2	8.5	12.0
06/20/96	1768.45	160	17.0 (3)	1	10.8	10.5
06/26/96	1920.45	160	9.8 (4)	<1	7.5 (4)	7.0 (4)
06/28/96	1963.87	160	9.8 (4)	<1	7.0 (4)	6.8 (4)
07/02/96	2060.38	160	9.5 (4)	1.0	7.3 (4)	7.4 (4)
07/12/96	2075.91	160	18 (4)	5.0	7.2 (4)	7.2 (4)
07/27/96	2169.28	160	-	5.0	-	-
08/01/97	2244.81	160	42 (4)	3.0	6.6 (4)	5.0 (4)

Notes:

- (1) Trichloroethene specific.
  - (2) System start date.
  - (3) Measured with Photoionization Detector (PID) after dehumidifying air.
  - (4) Measured with Flame Ionization Detector (FID) to minimize moisture effects on readings.
- cfm Cubic Feet Per Minute.  
ppm Parts Per Million.

**TABLE 4.1**  
**SAMPLE LOCATION KEY**  
**VIBRATECH CONFIRMATORY SOIL SAMPLING**  
**VIBRATECH, INC.**

<i>Sample Sequence Number</i>	<i>Date Sampled</i>	<i>Pile Number</i>	<i>Sample I.D. Number</i>
1	10/24/96	2	6479-01-102496-AK
2	10/24/96	2	6479-02-102496-AK
3	10/24/96	2	6479-03-102496-AK
4	10/24/96	2	6479-04-102496-AK
5	11/18/96	1	6479-1-1-111896-BTF
6	11/18/96	1	6479-1-2-111896-BTF
7	11/18/96	1	6479-1-3-111896-BTF
8	11/18/96	1	6479-1-4-111896-BTF
Field Duplicate of 8	11/18/96	1	6479-1-5-111896-BTF
9	11/18/96	3	6479-3-6-111896-BTF
10	11/18/96	3	6479-3-7-111896-BTF
11	11/18/96	3	6479-3-8-111896-BTF
12	11/18/96	3	6479-3-9-111896-BTF
13	11/18/96	4	6479-4-10-111896-BTF
14	11/18/96	4	6479-4-11-111896-BTF
15	11/18/96	4	6479-4-12-111896-BTF
16	11/18/96	4	6479-4-13-111896-BTF
17	11/18/96	5	6479-5-14-111896-BTF
18	11/18/96	5	6479-5-15-111896-BTF
19	11/18/96	5	6479-5-16-111896-BTF

APPENDIX A  
FUEL OIL CONTAMINATED SOIL DISPOSAL





# Chemical Waste Management, Inc. BO 1085

## WASTE PROFILE

Profile #

WASTE IS THE RESULT OF N.Y.S., D.E.C. CONSENT ORDER.

Check here if this is a Recertification

LOCATION OF ORIGINAL \_\_\_\_\_

**GENERAL INFORMATION** VIBRATECH, INC. A UNIT TO BE SUPPLIED

1. GENERATOR NAME: OF IDEX CORP. Generator USEPA ID: \_\_\_\_\_

2. Generator Address: 537 E. DELAVAN AVE. BUFFALO, N.Y. 14211 Billing Address:  Same ~~CRA~~ TREA TEK - CRA 2055 NIAGARA FALLS BLVD NIAGARA FALLS, NY. 14304

3. Technical Contact/Phone: KELLY MCINTOSH (716) 297-6150 NIAGARA FALLS, NY. 14304

4. Alternate Contact/Phone: FAX 716 297-2265 Billing Contact/Phone: SHEILA MERRILL 716 297-615

**PROPERTIES AND COMPOSITION**

5. Process Generating Waste: EXCAVATION OF SOIL FROM SITE INVESTIGATION

6. Waste Name: SOIL FROM REMEDIATION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes  No

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): F001

State Waste Codes: \_\_\_\_\_

8. Physical State @ 70°F: A. Solid  Liquid  Both  B. Single Layer  Multilayer  C. Free liquid range 0 to \_\_\_\_\_ %

9A. pH: Range \_\_\_\_\_ to \_\_\_\_\_ or Not applicable  B. Strong Odor ; describe NONE

10. Liquid Flash Point: < 73°F  73-99°F  100-139°F  140-199°F  ≥ 200°F  N.A.  Closed Cup  Open Cup

11. CHEMICAL COMPOSITION: List ALL constituents (including halogenated organics) present in any concentration and forward available analysis.

Constituents	Range	Units	Constituents	Range	Units
<u>SOIL</u>	<u>98-100</u>	<u>%</u>	<u>SEE ATTACHED ANALYSIS DATED 10-20-95</u>		
<u>PPE, RAGS, GLOVES</u>	<u>0-2</u>	<u>%</u>			
<u>FUEL OIL #6</u>	<u>0-2</u>	<u>%</u>			

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

12. OTHER: PCBs if yes, concentration \_\_\_\_\_ ppm, PCBs regulated by 40 CFR 761 . Pyrophoric  Explosive  Radioactive   
Benzene if yes, concentration \_\_\_\_\_ ppm. Shock Sensitive  Oxidizer  Carcinogen  Infectious  Other \_\_\_\_\_

13. If the waste is subject to the land ban and meets the treatment standards, check here: \_\_\_\_\_, and supply analytical results where applicable.

**SHIPPING INFORMATION**

14. PACKAGING: Bulk Solid  Bulk Liquid  Drum  Type/Size: \_\_\_\_\_ Other \_\_\_\_\_

15. ANTICIPATED ANNUAL VOLUME: 60-100 TONS Units: \_\_\_\_\_ Shipping Frequency: ONCE

**SAMPLING INFORMATION**

16a. Sample source (drum, lagoon, pond, tank, vat, etc.) See ANALYSIS OF RANDOM GRAB  
Date Sampled: \_\_\_\_\_ Sampler's Name/Company: \_\_\_\_\_

16b. Generator's Agent Supervising Sampling: \_\_\_\_\_ 17.  No sample required (See Instructions.)

**GENERATOR'S CERTIFICATION**

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature \_\_\_\_\_ Printed (or typed) name and title \_\_\_\_\_ Date \_\_\_\_\_

## CONFIRMATION LETTER

November 2, 1995

ms  
FILE COPY

SHEILA MERRILL  
TREATEK CRA INC  
2055 NIAGARA FALLS BLVD STE 3  
NIAGARA FALLS, NY 14304-5702

Re: Confirmation Number 4450410

Attention: SHEILA MERRILL

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-843-3604 to schedule shipment of your waste materials.

CWM Profile Number: BO1085 MDC

Approved Mgmt. Facility: CWM MODEL CITY FACILITY  
or another CWM or CWM approved facility

Waste Name: SOIL FROM REMEDIATION

Disposal Method: Subtitle C Landfill

Disposal Price: - \$130.00 per ton, plus applicable taxes

Transportation Price: - \$400.00 per truck load  
- \$225.00 minimum transportation fee

Demurrage: - \$85.00 demurrage per hour after the first free  
hour of loading time

Waste Approval Fees: - Paperwork Approvals (no analytical) = \$150.00  
- Characterization & unknowns are priced upon  
request

Pricing Conditions: - A \$225.00 washout fee will be charge for bulk  
liquid tanker loads, plus a minimum \$850.00  
clean out charge if greater than 3 % solid or  
sludge residue remains in tanker after off  
loading.  
- \$200.00 minimum disposal fee per profile, per  
shipment (drummed wastes).

NOTE: Please specify your Purchase Order Number in  
Section 15 of your manifest.

Profile Expiration Date: 10/31/96

CWM Chemical Services, Inc.  
1550 Balmer Road • P.O. Box 200 • Model City, New York • 14107 • 1-800-843-3604

November 2, 1995


Re: Confirmation Number 4450410

Special Conditions:

- Waste profile sheet numbers must appear on manifest.
- No demurrage will be paid by CWM Chemical Services, Inc., for delays at Model City for on-site acceptance procedures when generator/customer arranges their own transportation.
- Customers who require Certificates of Disposal should place the phrase "Certificate of Disposal Required" in Section 15 of the manifest.
- Special Land Disposal Notification and Certification Form must be properly executed and accompany each shipment of this waste.
- New York State Department of Environmental Conservation (NYSDEC) approved for 100 tons as an event.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

  
Bonnie Larson

Chemical Waste Management, Inc.

October 27, 1995

Mr. Kelly McIntosh  
 CRA-Trea-Tek  
 2055 Niagara Falls Blvd  
 Niagara Falls, NY 14304  
 Re: Quotation for roll-off boxes

Dear Mr. McIntosh:

CWM Chemical Services, Inc. is pleased to provide you with pricing for the spotting of roll-off boxes. Based upon the information you provided, the following summarizes our quotation:

DESCRIPTION/ESTIMATED QUANTITY OF WASTE:

These rates must be confirmed in writing

DISPOSAL FACILITY:

CWM Chemical Services, Inc.  
 P.O. Box 200  
 1550 Balmer Road  
 Model City, NY 14107

DISPOSAL CHARGES:

Will follow

TRANSPORTATION

These rates are based upon each roll-off box left at your facility

- \$400.00 per spot *\$300.00 PER SPOT - MIKE SCRIBANO 9/9/95*
- \$15.00 per day per box
- \$40.00 per liner

CWM Chemical Services, Inc.

1550 Balmer Road • P.O. Box 200 • Model City, New York • 14107 • 1-800-843-3604

**DEMURRAGE:**

On site is \$85.00 per hour after one free hour

**WASTE APPROVAL FEES:**

Will follow

**SPECIAL CONDITIONS:**

Waste must meet acceptability criteria at the site and comply with local, state, and federal regulations, as well as the sites permit requirements. Pricing is contingent upon site and sample evaluation.

The disposal charges are based solely on the information available at this time and is good for (30) days from the date of this letter. Additional information may be required prior to approval.

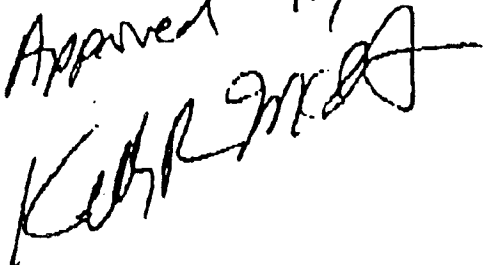
Payment must be received within thirty (30) days of invoicing. Payments received after 30 days will accrue interest at the rate of 1.5% per month.

Following site approval, we will reconfirm your pricing, and send you the appropriate Supplemental Information Document for signature.

CWM Chemical Services, Inc. wishes to thank you for allowing us to quote on your disposal needs. Please contact me with any questions you might have or if you require any further assistance at 716 754-0453.

Sincerely,

  
Bonnie Larson  
Customer Service Representative

Approved 10/27  


cc: Mike Scatena

Profile..	Receipt.....	State.....	State.....	DISPOSAL DATE.
Number	Number	Manifest	Quantity	

BO1085	08143963901	NYB810552601	24940.00	11/13/95
BO1085	08143964301	NYB810549901	23640.00	11/27/95
BO1085	08143964401	NYB810560701	22640.00	11/13/95
BO1085	08143964501	NYB810550801	23340.00	11/13/95
BO1085	08143967001	NYB810555301	24740.00	11/13/95
BO1085	08143967101	NYB810558901	23000.00	11/13/95
BO1085	08143967301	NYB810557101	24240.00	11/13/95
BO1085	08143967601	NYB810554401	25700.00	11/13/95
BO1085	08143968701	NYB810556201	26780.00	11/13/95
BO1085	08143969501	NYB810553501	18840.00	11/13/95
BO1085	08143970801	NYB810551701	27040.00	11/14/95

\*\*\* 264900.00

\*\*\* 264900.00

11 Records Processed

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

CMDC

Form Approved. OMB No. 2050-0039. Expires 12-31-85

Please print in type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. <b>NY D 08353042800006</b>	Manifest Document No. <b>1</b>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007 Generator's Phone: 716 297-6150</b>			A. State Manifest Document No. <b>NY B 8105535</b>		
4. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>			5. US EPA ID Number <b>11D099202681</b>	B. Generator's ID <i>Same re 11/13</i> <b>NY A5320</b>	
7. Transporter 2 (Company Name)			8. US EPA ID Number	C. State Transporter's ID	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 BALMER RD. MODEL CITY NY 14107</b>			10. US EPA ID Number <b>NY D 049836679</b>	D. Transporter's Phone <b>716 879-0600</b>	
				E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone <b>716 754-8231</b>	

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers	13. Total Quantity	14. Unit	15. Waste ID
HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)				EST, F001 STATE
				EPA STATE
				EPA STATE
				EPA STATE
				EPA STATE

16. EPA Identification Number for Materials Listed Above  
**B01085**

17. EPA Identification Number of Receiving Facility  
**L**

18. Emergency Response Information  
**CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR# 710708/8**

**81439695**

19. Signature of Generator  
**WILLIAM J LEE'S** *William J Lee's* **11/10/85**

20. Signature of Transporter  
**J. KENNETH RYAN** *J Kenneth Ryan* **11/10/85**

*actual rec'd 18840P*

**EILEEN CARTER** *Eileen Carter* **11/13/85**



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716.754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. has received waste material from VIBRATECH IN on 11/13/95 as described on Hazardous Waste Manifest number NYB8105535 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143969501  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50384  
11/13/95





DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

**HAZARDOUS WASTE MANIFEST**

P.O. Box 12820, Albany, New York 12212

CMDC

Form Approved OMB No. 2050-0039. Expires 6-30-88

Please print or type. Do not Staple.

In case of emergency call the National Response Center (800) 424-9302 and the N.Y. Dept. of Environmental Conservation (518) 473-3232.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NYD08353042800003</b>		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007</b>				A. State Manifest Document No. <b>NY B 8105562</b>		B. Generator's ID <i>Same as 11/13</i>					
4. Generator's Phone ( <b>716 297-6150</b> )				C. State Transporter's ID <b>NY BA5320</b>		D. Transporter's Phone ( <b>716 754-8231</b> )					
5. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>		6. US EPA ID Number <b>ILD09920268</b>		E. State Transporter's ID		F. Transporter's Phone ( )					
7. Transporter 2 (Company Name)		8. US EPA ID Number		G. State Facility's ID		H. Facility's Phone					
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 BALMER RD. MODEL CITY NY 14107</b>				10. US EPA ID Number <b>NYD049836679</b>		716 754-8231					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit	
a. <b>HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)</b>						No. Type		EST.		EPA F001 STATE	
						001 CM 00020 Y				STATE	
b.										STATE	
c.										STATE	
d.										STATE	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
a. <b>BO1085</b>						a. <input checked="" type="checkbox"/> <input type="checkbox"/>					
b.						b. <input type="checkbox"/> <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information <b>CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# ED1085 SR# 260708/7</b>											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national regulations and State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be technically practicable and that I have selected the practicable method (treatment, storage, or disposal) currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.						Signature: <i>William J. Lees</i> 111095					
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature: <i>J. Kenneth Ryan</i> 111095					
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature: _____					

19. Discrepancy Indication Space  
*actual received 26780 P*

20. Receiver's Certification: I certify that I have received the hazardous materials described by this manifest except as noted in item 19.  
Signature: *Kathleen Villeneuve* 111395



CWM Chemical Services, Inc.

Northeast Region  
1550 Salmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716:754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105562 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143968701  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50382  
11/13/95

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

319009 BACK  
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CMDC

**HAZARDOUS WASTE MANIFEST**

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039, Expires 9-30-95

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 Center (607) 424-8000

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NYD08353042800002</b>	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007</b>		6. US EPA ID Number <b>ILLD09920268</b>		A. State Manifest Document No. <b>NY B 8105544</b>		
4. Generator's Phone # <b>716 297-6150</b>		7. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>		B. Generator's ID # <b>Same 11/13</b>		
5. Transporter 1 (Company Name)		8. US EPA ID Number		C. State Transporter's ID # <b>ILLT117876</b>		
7. Transporter 2 (Company Name)		9. US EPA ID Number		D. Transporter's Phone ( <b>716 754 8231</b> )		
8. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 EALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NYD049836679</b>		E. State Transporter's ID		
				F. Transporter's Phone ( )		
				G. State Facility's ID		
				H. Facility's Phone <b>716 754-8231</b>		
11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Weight	1. Waste No.	
1. <b>HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)</b>		<b>0.01 CM</b>	<b>EST 000201 Y</b>		EPA <b>F001</b> STATE	
					EPA STATE	
					EPA STATE	
					EPA STATE	
J. Additional Descriptions for Materials listed Above <b>B01085</b>		K. Handling Codes for Wastes Listed Above				
		<input checked="" type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
3. Emergency Response and Additional Information <b>CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR# 260708-9</b>						
<b>81439676</b>						
I. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and hazard class, hazard codes and labels, and are in all respects in proper condition for transport by airway, according to applicable international and national government regulations, and that I have provided the appropriate hazard labels and placards.						
I, <b>WILLIAM J LEE</b> , certify that I have provided a code to reduce the volume and quantity of waste generated to the degree I have determined to be appropriate, and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me.						
Signature <b>WILLIAM J LEE</b>		Signature <i>William J Lee</i>			Date <b>11 10 95</b>	
Signature <b>Ricky A Winkolmann</b>		Signature <i>Ricky A Winkolmann</i>			Date <b>11 10 95</b>	

act-rced. 25700 P

**KATH VIKENEUVE** Signature *Kath Vikeuue* Date **11 13 95**



CWM Chemical Services, Inc.

Northeast Region  
1551 Balmer Road  
P.O. Box 200  
West City, New York 14107-0200  
Tel 754-2231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105544 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143967601  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50380  
11/13/95

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

**HAZARDOUS WASTE MANIFEST**

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

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Please print or type. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NYD08353042000005</b>	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007</b>			A. State Manifest Document No. <b>NY B 8105571</b>		
4. Generator's Phone ( <b>716 297-6150</b> )			B. Generator's ID <b>SAME</b>		
5. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>		6. US EPA ID Number <b>111D09920268</b>		C. State Transporter's ID <b>NY86431Z</b>	
7. Transporter 2 (Company Name)		8. US EPA ID Number		D. Transporter's Phone ( <b>716 754-8231</b> )	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 BALMER RD. MODEL CITY NY 14107</b>			10. US EPA ID Number <b>NYD049836679</b>		E. State Transporter's ID <b>716</b>
			F. Transporter's Phone ( )		G. State Facility's ID
			H. Facility's Phone <b>( 716 754-8231</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit	I. Waste No.
a. <b>HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)</b>		No.   Type			EPA
			<b>BST</b>		<b>F001</b>
			<b>001 CM00020Y</b>		STATE
b.					EPA
					STATE
c.					EPA
					STATE
d.					EPA
					STATE
J. Additional Descriptions for Materials Listed Above <b>B01085</b>			K. Handling Codes for Wastes Listed Above		
a			a	<input checked="" type="checkbox"/>	c
b			b	<input type="checkbox"/>	d
c			c	<input type="checkbox"/>	
d			d	<input type="checkbox"/>	
L. Special Handling Instructions and Additional Information <b>CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR#2607083</b>					
<b>81439673</b>					
15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.					
I am a large quantity generator. I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.					
Printed Name: <b>WILLIAM J LEE</b>			Signature: <i>William J Lee</i>		Mo. Day Year: <b>11 10 95</b>
Printed Name: <b>Dennis J. Hoover</b>			Signature: <i>Dennis Hoover</i>		Mo. Day Year: <b>11 10 95</b>
Printed Name: _____			Signature: _____		Mo. Day Year: _____
16. The receiver's telephone number <b>act. recd. 24240 P</b>					
17. The name, address and telephone number of the generator, with copies of receipt of hazardous materials covered by this manifest except as noted in item 15. <b>KATH VILLENEUVE</b>					
Printed Name: <b>KATH VILLENEUVE</b>			Signature: <i>Kath Villeneuve</i>		Mo. Day Year: <b>11 13 95</b>

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CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-6231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105571 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143967301  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50377  
11/13/95

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

**HAZARDOUS WASTE MANIFEST**

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 9-30-96

-CMDC

Please print or type. Do not Staple.

**UNIFORM HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA No. **NY D08353042800804**  
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address

**VIBRATECH INC  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007**

A. State Manifest Document No.  
**NY B 8105589**

B. Generator's ID

**Same**

4. Generator's Phone ( **716 297-6150** )

5. Transporter 1 (Company Name)

**CHEMICAL WASTE MANAGEMENT, INC.**

6. US EPA ID Number

**IL D 09920288**

C. State Transporter's ID **NY, 86407Z**

D. Transporter's Phone **716 734-8231**

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address

**CWM CHEMICAL SERVICES, INC.  
1550 BALMER RD.  
MODEL CITY NY 14107**

10. US EPA ID Number

**NY D 049836679 ( 716 754-8231**

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

12. Containers  
No. Type

13. Total Quantity

14. Unit (VI/VI)

I. Waste No.

a. **HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)**

**001 CM000201Y**

**Est.**

EPA **F001**  
STATE

b.

EPA

STATE

c.

EPA

STATE

d.

EPA

STATE

J. Additional Descriptions for Materials listed Above

**B01085**

K. Handling Codes for Wastes Listed Above

a  b  c  d

L. Special Handling Instructions and Additional Information

**CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085**

**SR# 260708/2**

**84439671**

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, hazard class, quantity, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed Name of Generator

**WILLIAM J LEBES**

Signature

*William J LEBES*

Mo. Day Year  
**11 10 95**

16. Transporter's Acknowledgment of Receipt of Materials

Printed Name of Transporter

**D.W. Dixon**

Signature

*D.W. Dixon*

Mo. Day Year  
**11 10 95**

17. Transporter's Acknowledgment of Receipt of Materials

Printed Name of Transporter

Signature

Mo. Day Year

18. Discrepancy Indication Space

**actual recd 23000 P**

19. I hereby certify that I have a true and correct copy of this manifest and a true and correct copy of the receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed Name of Generator

**Michelle Foulke**

Signature

*Michelle Foulke*

Mo. Day Year  
**11 13 95**

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105589 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143967101  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50376  
11/13/95





STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

CMDC

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P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 10250-002 Expires 6-30-96

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA No. Manifest Document No.  
**NY 008353042800001**

2. Page information in the tracked information is not required by Federal

3. Generator's Name and Mailing Address

VIBRATECH INC  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

4. Generator's Phone ( ) **716 297-6150**

A. State Manifest Document No.

**NY B 8105553**

B. Generator's ID

**SAME**

5. Transporter 1 (Company Name)

**CHEMICAL WASTE MANAGEMENT, INC.**

6. US EPA ID Number

**11 D 0 9 9 2 0 2 6 B 1**

C. State Transporter's ID

**14649V NY**

D. Transporter's Phone ( ) **716 2540366**

7. Transporter 2 (Company Name)

3. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

8. Designated Facility Name and Site Address

CWM CHEMICAL SERVICES, INC.  
1550 BALMER RD.  
MODEL CITY NY 14107

10. US EPA ID Number

**NY D 0 4 9 8 3 6 6 7 9**

G. State Facility's ID

H. Facility's Phone

**716 754-8231**

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)

**HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)**

12. Containers No. Type 13. Total Quantity 14. Unit (kg/Metric Ton)

**Est. 001CM00020 Y**

EPA STATE **F001**

EPA STATE

EPA STATE

EPA STATE

9. Additional Descriptors (if address is not above)

**B01085**

K. Handling Codes for Wastes Listed

10. Other information (including any additional information)

**CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# E01085**

**SR# 260708-5**

**81439670**

11. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this manifest are true and accurately describe above by proper shipping name, hazard class, and ID number, and are in proper condition for transport by highway according to applicable international and domestic regulations.

I also certify that I have provided the designated facility with a copy of this manifest and a copy of the waste generated to the extent that I am responsible for the waste, and that I have provided the designated facility with a copy of the waste generated to the extent that I am responsible for the waste, and that I have provided the designated facility with a copy of the waste generated to the extent that I am responsible for the waste.

**WILLIAM J PARS** *William J Pars* **11/10/95**

**Tim Quarantillo** *Tim Quarantillo* **11/10/95**

act. recd. **24740P**

**KATH VULNERAVE** *Kath Vulnerave* **11/13/95**



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105553 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143967001  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50375  
11/13/95



STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

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Form Approved. OMB No. 2050-0039 Expires 9-30-85

In case of an emergency or spill immediately call the National Response Center (800) 424-0002 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NY D08353042800007</b>	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007</b>			A. State Manifest Document No. <b>NY B 8105508</b>		
4. Generator's Phone ( <b>716 297-6150</b> )			B. Generator's ID <b>SAME</b>		
5. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>		6. US EPA ID Number <b>IL D09920268</b>		C. State Transporter's ID <b>14644 V NY</b>	
7. Transporter 2 (Company Name)		8. US EPA ID Number		D. Transporter's Phone ( <b>716 677-0500</b> )	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 BALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NY D049836679</b>		E. State Transporter's ID <b>754-0364</b>	
				F. Transporter's Phone ( )	
				G. State Facility's ID	
				H. Facility's Phone <b>716 754-8231</b>	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
				EPA	STATE
a. <b>HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)</b>	<b>001 CM 00020 Y</b>	<b>EST.</b>		<b>F001</b>	
b.				EPA	STATE
c.				EPA	STATE
d.				EPA	STATE

J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
a. <b>B01085</b>		a. <input checked="" type="checkbox"/>	c. <input type="checkbox"/>	b. <input type="checkbox"/>	d. <input type="checkbox"/>
b.		b. <input type="checkbox"/>	d. <input type="checkbox"/>		

15. Special Handling Instructions and Additional Information  
**CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR# 262708-4**

81439645

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, hazard class, quantity, packaging, marking and labeling, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method (treatment, storage, or disposal) currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed Name: <b>WILLIAM J HEES</b>	Signature: <i>William J Hees</i>	No. Date: <b>111095</b>
17. Transporter 1 (Acknowledgement or Receipt of Materials)		
Printed Name: <b>Tim Quarantillo</b>	Signature: <i>Tim Quarantillo</i>	No. Date: <b>111095</b>
18. Transporter 2 (Acknowledgement or Receipt of Materials)		
Printed Name:	Signature:	No. Date:

19. Discrepancy Indication Space  
**actual recd 23340 P**

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
 Printed Name: **KATH VILLENEUVE** Signature: *Kath Villeneuve* No. Date: **111395**



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105508 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143964501  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50366  
11/13/95

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

410-14902

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CMDC

Please print or type. Do not staple.

Form Approved OMS No. 1059-0039 Expires 12/31/93

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA No. **NYD08353042800011**

Manifest Document No. **1**

2. Page 1 of 1 Information on the inside of this manifest is not required by Federal law

3. Generator's Name and Mailing Address

**VIBRATECH INC  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007**

A. State Manifest Document No. **NY B 8105607**

4. Generator's Phone **716 297-6150**

3. Generator's ID **SAME**

5. Transporter's Company Name

**CHEMICAL WASTE MANAGEMENT, INC.**

6. US EPA ID Number

**ILD099202681**

C. State Transporter's ID **NY864312**

D. Transporter's Phone **716 754-8231**

7. Transporter's Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

**CWM CHEMICAL SERVICES, INC.  
1550 BALMER RD.  
MODEL CITY NY 14107**

10. US EPA ID Number

**NYD049836679**

G. State Facility's ID

H. Facility's Phone

**716 754-8231**

11. US DOT Description including Proper Shipping Name, Hazard Class and ID

**HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)**

12. Containers

13. Total Quantity

**EST**

**F001**

**001 CW000204**

**B01085**

CWM EMERGENCY RESPONSE # 500/424/9300

ERG#31

PROFILE# B01085

SR# **260708-11**

**81439644**

**WILLIAM J LEES**

*William J Lees*

**111095**

**Dennis J. Hoover**

*Dennis Hoover*

**111095**

*actual record 22640P*

**KATH VILLENEUVE**

*Kath Villeneuve*

**111395**

5187 - 12



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Madison City, New York 14107-0200  
716.754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105607 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143964401  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50365  
11/13/95

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 9-30-96

CMDC

Please print or type. Do not Staple.

Slot 11

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NY D01835304281000110</b>		Manifest Document No. <b>110</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.			
3. Generator's Name and Mailing Address <b>VIBRATECH INC 537 E DELAVAN AVE BUFFALO NY 14211-1007</b>						A. State Manifest Document No. <b>NY B 8105499</b>					
4. Generator's Phone ( <b>716 297-6150</b> )						B. Generator's ID <b>Sammy</b>					
5. Transporter 1 (Company Name) <b>CHEMICAL WASTE MANAGEMENT, INC.</b>				6. US EPA ID Number <b>11 11 10 10 19 12 10 12 16 18</b>		C. State Transporter's ID <b>NY 864072</b>					
7. Transporter 2 (Company Name)						D. Transporter's Phone ( <b>716 879-0600</b> )					
8. US EPA ID Number						E. State Transporter's ID					
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, INC. 1550 BALMER RD. MODEL CITY NY 14107</b>						F. Transporter's Phone ( )					
10. US EPA ID Number <b>NY D 0 4 9 B 3 6 6 7 9</b>						G. State Facility's ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unl. Waste No.	
a. <b>HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)</b>						No. <b>001</b>		Type <b>CMDS, 020 Y</b>		EPA <b>F001</b> STATE	
b.										EPA STATE	
c.										EPA STATE	
d.										EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above					
a <b>B01085</b>						a <input checked="" type="checkbox"/>		c <input type="checkbox"/>			
b						b <input type="checkbox"/>		d <input type="checkbox"/>			
15. Special Handling Instructions and Additional Information <b>CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR# 260705-1</b> <b>81439643</b>											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>WILLIAM J LEFS</b>				Signature <i>William J Lefs</i>				Mo. Day Year <b>11/10/95</b>			
17. Transporter 1 (Acknowledgement of Receipt of Materials)						Printed/Typed Name <b>D.W. Dixon</b>		Signature <i>D.W. Dixon</i>		Mo. Day Year <b>11/10/95</b>	
18. Transporter 2 (Acknowledgement of Receipt of Materials)						Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space <b>actual receipt 23640P</b>											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name <b>RAM VIGNEUVE</b>						Signature <i>Ram Vigneuve</i>			Mo. Day Year <b>11/13/95</b>		



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH IN on 11/13/95 as described on Hazardous Waste Manifest number NYB8105499 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143964301  
CWM Unit #: 1\*0  
Disposal Date: 11/27/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

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KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # -51349  
11/27/95







CWM Chemical Services, Inc.

Northeast Region  
1550 Baimer Road  
P.O. Box 200  
Macedon City, New York 14107-0200  
716-754-3231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL  
-----

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/13/95 as described on Hazardous Waste Manifest number NYB8105526 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143963901  
CWM Unit #: 1\*0  
Disposal Date: 11/13/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50364  
11/13/95

357

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS SUBSTANCES REGULATION  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

CMDC

Form No. 106 (12/85)

Generator's US EPA ID No. **NY D 0 8 3 5 3 0 4 2 8 0 0 0 0 9** Manifest Document No. **1**

**VIBRATECH INC**  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007  
716 297-6150

A. State Manifest Document No. **NY B 8105517**  
B. Generator's ID **SAME**

Intermediate Party  
**CHEMICAL WASTE MANAGEMENT, INC.**  
1. US EPA ID Number **IL D 0 9 9 2 0 2 6 8**

C. State Transporter's ID **NY 86432**  
D. Transporter's Phone: **716 879-0600**  
E. State Transporter's ID

Final Party  
**CWM CHEMICAL SERVICES, INC.**  
1550 BALMER RD.  
MODEL CITY NY 14107  
10. US EPA ID Number **NY D 0 4 9 8 3 6 6 7 9**

F. Transporter's Phone  
G. State Facility's ID  
H. Facility's Phone: **716 754-8231**

11. Hazardous Waste Description and Hazard Class and ID Number:

**HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III (F001)**

12. Containers		Total	Units
No.	Type	Count	Weight
	<b>EST</b>		<b>F001</b>
	<b>001 CW00020Y</b>		

8. Handling Instructions: **B01085**

CWM EMERGENCY RESPONSE # 800/424/9300 ERG#31 PROFILE# B01085 SR# **260708**

**81439708**

**WILLIAM J LEEB**

*William J Lee*

**111095**

**Dennis Pitkovar**

*Dennis Pitkovar*

**111095**

**actual rec'd 270408**

**item 12-CM**

**KATH VIGNEVE**

*Kath Vignev*

**111495**



CWM Chemical Services, Inc.

Northeast Region  
1550 Balmer Road  
P.O. Box 200  
Model City, New York 14107-0200  
716/754-8231

Federal EPA ID: NYD049836679

VIBRATECH INC  
ATTN: MANIFEST SECTION  
NYD083530428  
537 E DELAVAN AVE  
BUFFALO NY 14211-1007

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. has received waste material from VIBRATECH INC on 11/14/95 as described on Hazardous Waste Manifest number NYB8105517 Sequence number 01.

Profile Number: B01085  
CWM Tracking ID: 8143970801  
CWM Unit #: 1\*0  
Disposal Date: 11/14/95

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Kathleen D. Morrison*

---

KATHLEEN D. MORRISON  
RECORDS DEPT. SUPERVISOR  
Certificate # 50496  
11/14/95

## APPENDIX B

### ANALYTICAL DATA QUALITY ASSESSMENT AND VALIDATION

# CRA

2055 Niagara Falls Boulevard  
Suite Three  
Niagara Falls, New York 14304  
(716) 297-6150  
(716) 297-2265 Telecopier

# MEMO

TO: Kelly McIntosh  
FROM: Susan Scrocchi/ms/2  
RE: Analytical Data Quality Assessment and Validation  
Soil Sampling  
Vibratech Site, Buffalo, New York  
October - November 1996  
CC: Brian Kramer

REFERENCE NO.: 6479  
DATE: December 13, 1996

---

The following details an assessment and validation of analytical results reported by Columbia Analytical Services, Inc. (CAS) for environmental samples collected in October and November 1996 from the Vibratech Site (Site). The samples collected were submitted for Target Compound List (TCL) volatile organic compounds (VOCs) as follows:

<i>Parameter</i>	<i>Matrix</i>	<i>Investigative Samples</i>	<i>Field Duplicates</i>	<i>MS/MSD</i>	<i>Total</i>
TCL VOCs	Soil	19	1	1/1	22

Notes:

MS/MSD - Matrix Spike/Matrix Spike Duplicate.

Samples were analyzed by Method 8240, referenced from "Test Methods for Evaluating Solid Waste", SW-846, 3rd Edition, 1986.

A sample identification key is presented in Table 1. A summary of the analytical results is presented in Tables 2A and 2B. Evaluation of the data was based on information obtained from finished data sheets, blank data, and recovery data from matrix, blank, and surrogate spikes. Quality Assurance/Quality Control (QA/QC) criteria by which these data have been assessed are referenced from the SW-846 method of analysis and the "National Functional Guidelines for Organic Data Review" (February 1994), both prepared by the United States Environmental Protection Agency (USEPA).

## ANALYTICAL ASSESSMENT AND VALIDATION

All samples were properly transported and stored at 4°C (±2°C). All analyses were performed within the SW-846 recommended holding time of 14 days.

The surrogate compounds 4-bromofluorobenzene, toluene-d<sub>8</sub>, and dibromofluoromethane were added to all samples, blanks, and QC samples. All blank recoveries were acceptable, many sample recoveries were outside the acceptable limits. The outlying surrogate recoveries were verified by reanalysis. All associated sample results were qualified as estimated based upon the outlying recoveries (see Table 3).

Laboratory method blank analyses yielded non-detect results for all parameters, indicating that laboratory contamination was not a factor for this investigation.

A blank spike analysis was performed for all parameters of interest. All percent recoveries were acceptable, indicating good analytical accuracy.

One MS/MSD analysis was performed on sample 6479-1-1-111896-BTF. All percent recoveries (%R) and relative percent differences (RPDs) were within the control limits, indicating that good analytical accuracy and precision were achieved.

#### FIELD QA/QC RESULTS

One field duplicate was collected for this project, as noted in Table 2B. All data were comparable, indicating good sampling and analytical precision.

#### CONCLUSION

The data reported by CAS are acceptable for use with the qualifications noted.

TABLE 1  
 SAMPLING AND ANALYSIS SUMMARY  
 VIBRATECH, INC.  
 BUFFALO, NEW YORK  
 OCTOBER - NOVEMBER 1996

<i>Sample ID</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Chain of Custody Number</i>	<i>Analytical Parameters</i>	<i>Notes</i>
6479-01-102496-AK	10/24/96	1200	1598	TCL Volatiles	
6479-02-102496-AK	10/24/96	1210	1598	TCL Volatiles	
6479-03-102496-AK	10/24/96	1220	1598	TCL Volatiles	
6479-04-102496-AK	10/24/96	1230	1598	TCL Volatiles	
6479-1-1-111896-BTF	11/18/96	1130	1618	TCL Volatiles	MS/MSD
6479-1-2-111896-BTF	11/18/96	1135	1618	TCL Volatiles	
6479-1-3-111896-BTF	11/18/96	1140	1618	TCL Volatiles	
6479-1-4-111896-BTF	11/18/96	1140	1618	TCL Volatiles	
6479-1-5-111896-BTF	11/18/96	1145	1618	TCL Volatiles	Dup of 6479-1-4-111896-BTF
6479-3-6-111896-BTF	11/18/96	1200	1618	TCL Volatiles	
6479-3-7-111896-BTF	11/18/96	1205	1618	TCL Volatiles	
6479-3-8-111896-BTF	11/18/96	1210	1618	TCL Volatiles	
6479-3-9-111896-BTF	11/18/96	1215	1618	TCL Volatiles	
6479-4-10-111896-BTF	11/18/96	1230	1618	TCL Volatiles	
6479-4-11-111896-BTF	11/18/96	1235	1618	TCL Volatiles	
6479-4-12-111896-BTF	11/18/96	1240	1618	TCL Volatiles	
6479-4-13-111896-BTF	11/18/96	1245	1618	TCL Volatiles	
6479-5-14-111896-BTF	11/18/96	1300	1618	TCL Volatiles	
6479-5-15-111896-BTF	11/18/96	1305	1618	TCL Volatiles	
6479-5-16-111896-BTF	11/18/96	1310	1619	TCL Volatiles	

Notes:

- Dup Field Duplicate.
- MS Matrix Spike.
- MSD Matrix Spike Duplicate.
- TCL Target Compound List.



TABLE 2A  
ANALYTICAL RESULTS SUMMARY  
VIBRATECH, INC.  
BUFFALO, NEW YORK  
OCTOBER - NOVEMBER 1996

<i>Sample ID:</i>	6479-01-102496-AK	6479-02-102496-AK	6479-03-102496-AK	6479-04-102496-AK
<i>Collection Date:</i>	10/24/96	10/24/96	10/24/96	10/24/96
<b>TCL Volatiles (µg/Kg)</b>				
Acetone	22 UJ	33 J	120 U	23 UJ
Benzene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Bromodichloromethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Bromoform	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Bromomethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
2-Butanone (MEK)	11 UJ	11 UJ	58 U	12 UJ
Carbon disulfide	11 UJ	11 UJ	58 U	12 UJ
Carbon tetrachloride	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Chlorobenzene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Chloroethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Chloroform	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Chloromethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Dibromochloromethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
1,1-Dichloroethane	44 J	81 J	110	44 J
1,2-Dichloroethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
1,1-Dichloroethene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
trans-1,2-Dichloroethene	5.7 J	14 J	35	14 J
cis-1,2-Dichloroethene	36 J	120 J	510	140 J
1,2-Dichloropropane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
trans-1,3-Dichloropropene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
cis-1,3-Dichloropropene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Ethylbenzene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
2-Hexanone	11 UJ	11 UJ	58 U	12 UJ
Methylene chloride	5.5 UJ	5.7 UJ	29 U	5.8 UJ
4-Methyl-2-pentanone (MIBK)	11 UJ	11 UJ	58 U	12 UJ
Styrene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
1,1,2,2-Tetrachloroethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Tetrachloroethene	20 J	240 J	340	60 J
Toluene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
1,1,1-Trichloroethane	11 J	34 J	43	14 J
1,1,2-Trichloroethane	5.5 UJ	5.7 UJ	29 U	5.8 UJ
Trichloroethene	30 J	45 J	63	26 J
Vinyl chloride	5.5 UJ	5.7 UJ	29 U	5.8 UJ
o-Xylene	5.5 UJ	5.7 UJ	29 U	5.8 UJ
m+p-Xylene	5.5 UJ	5.7 UJ	29 U	5.8 UJ

Notes:

- J Associated value is estimated.
- TCL Target Compound List.
- U Non-detect at the associated value.

TABLE 2B  
ANALYTICAL RESULTS SUMMARY  
VIBRATECH, INC.  
BUFFALO, NEW YORK  
OCTOBER - NOVEMBER 1996

Sample ID:	6479-1-1-111896-BTF	6479-1-2-111896-BTF	6479-1-3-111896-BTF	6479-1-4-111896-BTF	6479-1-5-111896-BTF	6479-3-6-111896-BTF (Dup. of 6479-1-4-111896-BTF)
Collection Date:	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96
<b>TCL Volatiles (µg/Kg)</b>						
Acetone	110 J	100 J	120 U	44 J	60 UJ	60 UJ
Benzene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Bromodichloromethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Bromoform	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Bromomethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
2-Butanone (MEK)	12 UJ	28 UJ	60 U	11 UJ	30 UJ	30 UJ
Carbon disulfide	12 UJ	28 UJ	60 U	11 UJ	30 UJ	30 UJ
Carbon tetrachloride	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Chlorobenzene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Chloroethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Chloroform	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Chloromethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Dibromochloromethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
1,1-Dichloroethane	44 J	47 J	110	29 J	41 J	220 J
1,2-Dichloroethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
1,1-Dichloroethene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
trans-1,2-Dichloroethene	25 J	94 J	180	65 J	91 J	38 J
cis-1,2-Dichloroethene	190 J	510 J	1100	250 J	360 J	380 J
1,2-Dichloropropane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
trans-1,3-Dichloropropene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
cis-1,3-Dichloropropene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Ethylbenzene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
2-Hexanone	12 UJ	28 UJ	60 U	11 UJ	30 UJ	30 UJ
Methylene chloride	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
4-Methyl-2-pentanone (MIBK)	12 UJ	28 UJ	60 U	11 UJ	30 UJ	30 UJ
Styrene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
1,1,2,2-Tetrachloroethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Tetrachloroethene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	180 J
Toluene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
1,1,1-Trichloroethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	62 J
1,1,2-Trichloroethane	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
Trichloroethene	53 J	260 J	550	100 J	160 J	130 J
Vinyl chloride	6.0 UJ	14 UJ	30 U	10 J	15 UJ	15 UJ
o-Xylene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ
m+p-Xylene	6.0 UJ	14 UJ	30 U	5.7 UJ	15 UJ	15 UJ

TABLE 2B  
ANALYTICAL RESULTS SUMMARY  
VIBRATECH, INC.  
BUFFALO, NEW YORK  
OCTOBER - NOVEMBER 1996

Sample ID:	6479-3-7-111896-BTF	6479-3-8-111896-BTF	6479-3-9-111896-BTF	6479-4-10-111896-BTF	6479-4-11-111896-BTF	6479-4-12-111896-BTF
Collection Date:	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96
<b>TCL Volatiles (µg/Kg)</b>						
Acetone	23 UJ	46 U	26 J	22 UJ	24 UJ	24 UJ
Benzene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Bromodichloromethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Bromoform	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Bromomethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
2-Butanone (MEK)	11 UJ	23 U	11 UJ	11 UJ	12 UJ	12 UJ
Carbon disulfide	11 UJ	23 U	11 UJ	11 UJ	12 UJ	12 UJ
Carbon tetrachloride	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Chlorobenzene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Chloroethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Chloroform	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Chloromethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Dibromochloromethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
1,1-Dichloroethane	23 J	57	32 J	5.4 UJ	6.1 UJ	5.9 UJ
1,2-Dichloroethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
1,1-Dichloroethene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
trans-1,2-Dichloroethene	9.4 J	22	6.5 J	5.4 UJ	6.1 UJ	5.9 UJ
cis-1,2-Dichloroethene	59 J	150	45 J	26 J	19 J	25 J
1,2-Dichloropropane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
trans-1,3-Dichloropropene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
cis-1,3-Dichloropropene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Ethylbenzene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
2-Hexanone	11 UJ	23 U	11 UJ	11 UJ	12 UJ	12 UJ
Methylene chloride	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
4-Methyl-2-pentanone (MIBK)	11 UJ	23 U	11 UJ	11 UJ	12 UJ	12 UJ
Styrene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
1,1,2,2-Tetrachloroethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Tetrachloroethene	10 J	28	170 J	11 J	6.1 UJ	5.9 UJ
Toluene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
1,1,1-Trichloroethane	15 J	11 U	80 J	5.4 UJ	6.1 UJ	5.9 UJ
1,1,2-Trichloroethane	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
Trichloroethene	30 J	72	18 J	7.4 J	6.1 UJ	6.3 J
Vinyl chloride	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
o-Xylene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ
m+p-Xylene	5.7 UJ	11 U	5.7 UJ	5.4 UJ	6.1 UJ	5.9 UJ

**TABLE 2B**  
**ANALYTICAL RESULTS SUMMARY**  
**VIBRATECH, INC.**  
**BUFFALO, NEW YORK**  
**OCTOBER - NOVEMBER 1996**

<i>Sample ID:</i>	6479-4-13-111896-BTF	6479-5-14-111896-BTF	6479-5-15-111896-BTF	6479-5-16-111896-BTF
<i>Collection Date:</i>	11/18/96	11/18/96	11/18/96	11/18/96
<b>TCL Volatiles (µg/Kg)</b>				
Acetone	24 UJ	24 UJ	24 U	25 UJ
Benzene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Bromodichloromethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Bromoform	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Bromomethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
2-Butanone (MEK)	12 UJ	12 UJ	12 U	12 UJ
Carbon disulfide	12 UJ	12 UJ	12 U	12 UJ
Carbon tetrachloride	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Chlorobenzene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Chloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Chloroform	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Chloromethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Dibromochloromethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,1-Dichloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,2-Dichloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,1-Dichloroethene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
trans-1,2-Dichloroethene	6.1 UJ	7.7 J	6.3	8.9 J
cis-1,2-Dichloroethene	41 J	90 J	70	110 J
1,2-Dichloropropane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
trans-1,3-Dichloropropene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
cis-1,3-Dichloropropene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Ethylbenzene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
2-Hexanone	12 UJ	12 UJ	12 U	12 UJ
Methylene chloride	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
4-Methyl-2-pentanone (MIBK)	12 UJ	12 UJ	12 U	12 UJ
Styrene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,1,2,2-Tetrachloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Tetrachloroethene	6.1 UJ	5.9 UJ	7.0	6.1 UJ
Toluene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,1,1-Trichloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
1,1,2-Trichloroethane	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
Trichloroethene	8.8 J	26 J	16	31 J
Vinyl chloride	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
o-Xylene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ
m+p-Xylene	6.1 UJ	5.9 UJ	6.0 U	6.1 UJ

**Notes:**

- J Associated value is estimated.  
TCL Target Compound List  
U Non-detect at the associated value.

**TABLE 3**  
**QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES**  
**VIBRATECH, INC.**  
**BUFFALO, NEW YORK**  
**OCTOBER - NOVEMBER 1996**

<i>Parameter</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Sample ID</i>	<i>Qualifier (1)</i>
TCL VOCs	4-bromofluorobenzene	58	74-121	6479-01-102496-AK	J
		61	74-121	6479-02-102496-AK	J
		60	74-121	6479-04-102496-AK	J
		43	74-121	6479-1-1-111896-BTF	J
		69	74-121	6479-1-2-111896-BTF	J
		50	74-121	6479-1-4-111896-BTF	J
		62	74-121	6479-1-5-111896-BTF	J
		55	74-121	6479-3-6-111896-BTF	J
		70	74-121	6479-3-7-111896-BTF	J
		54	74-121	6479-3-9-111896-BTF	J
		56	74-121	6479-4-10-111896-BTF	J
		72	74-121	6479-4-11-111896-BTF	J
		67	74-121	6479-4-12-111896-BTF	J
		72	74-121	6479-4-13-111896-BTF	J
		68	74-121	6479-5-14-111896-BTF	J
		71	74-121	6479-5-16-111896-BTF	J
TCL VOCs	toluene-d8	72	81-117	6479-1-1-111896-BTF	J
		75	81-117	6479-1-4-111896-BTF	J
		79	81-117	6479-1-5-111896-BTF	J
		79	81-117	6479-3-9-111896-BTF	J
		78	81-117	6479-4-10-111896-BTF	J

**TABLE 3**  
**QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES**  
**VIBRATECH, INC.**  
**BUFFALO, NEW YORK**  
**OCTOBER - NOVEMBER 1996**

<i>Parameter</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Sample ID</i>	<i>Qualifier (1)</i>
TCL VOCs	dibromofluoromethane	147	80-120	6479-1-1-111896-BTF	J
		126	80-120	6479-1-2-111896-BTF	J
		143	80-120	6479-1-4-111896-BTF	J
		130	80-120	6479-1-5-111896-BTF	J
		122	80-120	6479-3-6-111896-BTF	J
		124	80-120	6479-3-9-111896-BTF	J
		122	80-120	6479-4-10-111896-BTF	J
		124	80-120	6479-4-12-111896-BTF	J
		129	80-120	6479-5-14-111896-BTF	J
		126	80-120	6479-5-16-111896-BTF	J

## Notes:

(1) Qualifier applies to all TCL VOC results.

TCL Target Analyte List.

VOCs Volatile Organic Compounds.

APPENDIX C  
CARBON DISPOSAL MANIFEST

In case of emergency or spill, immediately call the national Response Center (800) 424-9303 and the nearest Dept. of Environmental Conservation (516) 491-7362.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>NY D083530428</b>	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address <b>Vibratex Inc. 537 East Delevan Ave Buffalo NY 14211</b>		4. Generator's Phone <b>(716) 297 6150</b>	6. US EPA ID Number	7. State <b>NY</b>	8. Generator's ID <b>SAME</b>
5. Transporter 1 (Company Name) <b>FRANKS VACUUM TRUCK SERVICE</b>		6. US EPA ID Number <b>NY D9B2792814</b>	7. Transporter 2 (Company Name) <b>INC</b>	9. State <b>NY</b>	10. Generator's ID <b>44511</b>
9. Designated Facility Name and Site Address <b>Northeast Chemical Corp 3300 MONROE CLEVELAND OH 44118</b>		10. US EPA ID Number <b>OH D9B0081571</b>	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RR HAZARDOUS WASTE LIQUID NOS (1.1 Toxic, 2.9 NA 3082, PG III (1001) (Flammable) (other))</b>	12. Containers No. Type <b>1 HDM</b>	13. Total Quantity <b>200 G</b>
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol <b>G</b>	15. EPA ID STATE <b>OH</b>
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>11a) NEC # 20684-27 - ERG# 171 - EMERGENCY RESPONSE # 716-297-6150</b>		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.			
Printed/Typed Name <b>ROBERT J JOHNSON</b>		Signature <i>Robert J Johnson</i>		Mo. Day Year <b>3 1 2 9 7</b>	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name <b>Frank Jurick III</b>		Signature <i>Frank Jurick III</i>	
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			
Printed/Typed Name		Signature		Mo. Day Year	