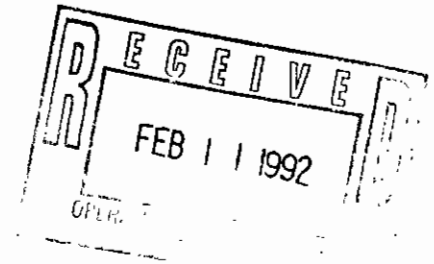


▽

de maximis, inc.

9041 Executive Park Drive
Suite 601
Knoxville, TN 37923
(615) 691-5052



February 5, 1992

VIA FEDERAL EXPRESS

Mr. David Abrimes
US EPA, Region II
Permits Administration Branch
26 Federal Plaza, Room 505
New York, NY 10278

Subject: Change of Address for US EPA
Generator ID# NYD000511659

Dear Mr. Abrimes:

Please change the address of record and generator's phone number for the subject ID number.

(Old Address)

NYS DEC (PAS Site-O&M)
50 Wolf Road
Albany, NY 12233
(315) 437-5677

(New Address and Phone Number)

PAS-OSWEGO Interim Groundwater Removal Trust
c/o OBG Technical Services
5000 Britton Field Parkway
Syracuse, NY 13220
(315) 437-6400
Attn: PAS - Interim Groundwater Removal
Project Supervisor

We plan to remove and dispose of waste from the site using EPA Waste Code Number F039, in addition to codes previously used by NYSDEC, including F004, D010, and D043.

This change becomes effective on February 6, 1992.

If you have any questions please call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Valentine".

Mark Valentine
Project Manager

cc: NYS DEC (via FedX)
Manifest Section
PO Box 12820
Albany, NY 12212
A. Gupta - NYS DEC
R. Ramon - US EPA

J. Fox - OBG Technical Services
PAS Management Committee
L. DiGuardia - US EPA
C. Berns - US EPA
R. Edwards - NYS DEC



AN INTERNATIONAL PROFESSIONAL SERVICES COMPANY

URS CONSULTANTS, INC.

362 DELAWARE AVENUE
BUFFALO NEW YORK 14202-1805
(716) 856-5636
FAX: (716) 856-2545

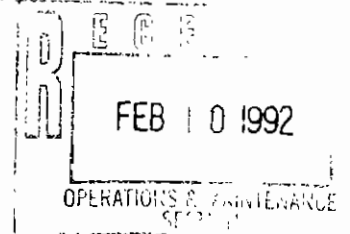
ATLANTA
BOSTON
BUFFALO
CLEVELAND
COLUMBUS
DENVER
NEW YORK
PARANUS, PA
PHILADELPHIA
PITTSBURGH
RICHMOND
WASHINGTON
WASHINGTON, DC

FAXED February 6, 1992

February 6, 1992

Anthony Napoli
Environmental Products & Services, Inc.
P.O. Box 315
Syracuse, New York 13209-0315

RE: PAS SITE O&M
INVOICE FOR DECEMBER 1991 LEACHATE HAULING



Dear Mr. Napoli:

We had submitted your invoice for leachate hauling for the month of December to the New York State Department of Environmental Conservation (NYSDEC) for payment. Of the two loads hauled, a 5,983 gallon load of leachate (Manifest No. NTB4479444) was not accepted by Frontier Chemical as it was off-spec due to contamination of EP&S's tanker truck from a previous load. It is our understanding that the off-spec leachate was sent to Research Oil in Cleveland, Ohio for treatment.

The NYSDEC informed us that the following additional information regarding the treatment of the off-spec leachate will be required before they can approve payment for the off-spec load:

1. Hazardous waste manifest for shipment of the 5,983 gallons of off-spec load to Research Oil.
2. Receipt of acceptance and method of treatment used to process leachate from Research Oil on their letterhead.

The NYSDEC has requested that the aforementioned documentation be submitted by February 10, 1992 for approval of the invoice. Otherwise a payment request for this load will have to be resubmitted along with the backup documentation with our next invoice to NYSDEC. If you have any questions regarding the required information, please do not hesitate to contact myself or John Lysiak.

Sincerely,

URS CONSULTANTS, INC.

Dharmarajan R. Iyer, Ph.D.
Project Manager

DRI/ys
2-6-92L.AN

cc: A.K. Gupta - NYSDEC
John Gorton - URS
File: 35236.00 (1012)

URS BUFFALO

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

MEMO OF TELECON

JOB NO. 200007-12 FILE # 200007 JOB NAME NYSDOT COLLEGO-PAS

DATE July 24, 1992 TELEPHONE (C/S) 471-0803

PERSON CALLING James J. Ryan PERSON CALLED Way Nader

REPRESENTING URS Consultants Inc. REPRESENTING NYSDOT

PURPOSE OF CALL Discuss the status of the project and the need for a meeting.

Way Nader is currently out of the office and will be returning on August 1st.

TEXT OF TELECON

Way Nader is currently out of the office and will be returning on August 1st. I am calling to discuss the status of the project and the need for a meeting. I have reviewed the schedule and we need to meet to discuss the project status and the need for a meeting. I will be returning on August 1st and will be available for a meeting at that time.

I will be returning on August 1st and will be available for a meeting at that time. I will be returning on August 1st and will be available for a meeting at that time. I will be returning on August 1st and will be available for a meeting at that time.

I will be returning on August 1st and will be available for a meeting at that time. I will be returning on August 1st and will be available for a meeting at that time. I will be returning on August 1st and will be available for a meeting at that time.

Post-It brand fax transmittal memo 7671 # of pages 1 /	
To	From
A. C. COLPITA	LYSIAK
Co	Co.
URS	URS
Dept	Phone #
	471-2436
Fax #	Fax #
471-5922	471-2445

CC: A. C. COLPITA (URS) RYAN (URS) FILES

DATE 01/02/92

POLLUTION ABATEMENT SERVICES SITE # 7-38-001

STATEMENT OF LEACHATE DISPOSAL

MANIFEST DETAIL				DISPOSAL FACILITY			FINAL	COMMULATI	TOTALS	REMARKS
DATE	CONTRACTOR	NUMBER	VOLUME	DATE	LOCATION	VOLUME	VOLUME	TOTAL(YRL)	CONTRACT	
12/08/86	SEVENSON		5,067				5,067	5,067		
12/09/86	SEVENSON		5,104				5,104	10,171		
12/09/86	SEVENSON		5,140				5,140	15,311		
12/09/86	SEVENSON		5,178				5,178	20,489		
12/10/86	SEVENSON		4,898				4,898	25,387		
12/10/86	SEVENSON		5,159				5,159	30,546		
12/10/86	SEVENSON		4,412				4,412	34,958		
12/11/86	SEVENSON		5,004				5,004	39,962		
12/11/86	SEVENSON		5,140				5,140	45,102		
12/11/86	SEVENSON		4,929				4,929	50,031		
12/16/86	SEVENSON		4,141				4,141	54,172		
12/16/86	SEVENSON		4,584				4,584	58,756		
12/17/86	SEVENSON		5,000				5,000	63,756		
12/17/86	SEVENSON		5,166				5,166	68,922		
12/19/86	SEVENSON		6,000				6,000	74,922		
12/19/86	SEVENSON		5,135				5,135	80,057		
12/23/86	SEVENSON		4,635				4,635	84,692		
12/23/86	SEVENSON		4,443				4,443	89,135		
12/23/86	SEVENSON		4,139				4,139	93,274		
12/24/86	SEVENSON		4,786				4,786	98,060		
12/24/86	SEVENSON		5,028				5,028	103,088		
12/24/86	SEVENSON		5,178				5,178	108,266		
01/05/87	SEVENSON		3,976				3,976	3,976		
01/05/87	SEVENSON		4,838				4,838	8,814		
01/05/87	SEVENSON		4,788				4,788	13,602		
01/05/87	SEVENSON		4,697				4,697	18,299		
01/06/87	SEVENSON		4,340				4,340	22,639		
01/06/87	SEVENSON		4,623				4,623	27,262		
01/06/87	SEVENSON		4,798				4,798	32,060		
01/06/87	SEVENSON		3,808				3,808	35,868		
01/07/87	SEVENSON		5,169				5,169	41,037		
01/07/87	SEVENSON		5,188				5,188	46,225		
01/07/87	SEVENSON		4,333				4,333	50,558		
01/07/87	SEVENSON		4,101				4,101	54,659		
01/08/87	SEVENSON		5,000				5,000	59,659		
01/08/87	SEVENSON		5,152				5,152	64,811		
01/08/87	SEVENSON		4,242				4,242	69,053		
01/08/87	SEVENSON		4,771				4,771	73,824		
01/09/87	SEVENSON		3,126				3,126	76,950		
01/09/87	SEVENSON		3,919				3,919	80,869		
02/04/87	SEVENSON		4,886				4,886	85,755		
02/04/87	SEVENSON		5,190				5,190	90,945		
02/04/87	SEVENSON		5,164				5,164	96,109		
02/18/87	SEVENSON		4,771				4,771	100,880		
02/18/87	SEVENSON		5,880				5,880	106,760		
02/18/87	SEVENSON		6,098				6,098	112,858		
02/19/87	SEVENSON		6,117				6,117	118,975		
02/19/87	SEVENSON		6,029				6,029	125,004		



Post-It™ brand fax transmittal form.		# of pages <u>1</u>	
To <u>AK GURTA</u>	From <u>J. LYER</u>		
<u>NY 5 DEC</u>	Co. <u>URS</u>		
<u>RESTRICTION</u>	Phone <u>716-856-5636</u>		
<u>407-397-2</u>	Fax <u>716-856-2545</u>		



NO. 407-397-2

NAME NYSDOT - PAS OSWEGO

MEMO OF TELECON

DATE 12/30/91

TELEPHONE (716) 856-5636

CALLING ANTHONY NAPOLI

PERSON CALLED JOHN LYSIK

REPRESENTING ENVIRONMENTAL PROTECTION SERVICES

REPRESENTING URS CONSULTANTS INC.

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: LEADWATER TAKEN FROM THE PAS-OSWEGO

LEADWATER TAKEN FROM HIS OFF-SPEC BY LEADWATER CHEMICALS

TEXT OF TELECON

DISCUSSED WITH ME THAT THE LEADWATER TAKEN TO PROVIDE CHEMICALS FOR TREATMENT
WAS REDETERMINED TO HIS OFF-SPEC BY THE ANALYTICAL TESTING PERFORMED BY
LEADWATER CENTER TO ACCEPTING THE LEADWATER.

CONSEQUENTLY, LEADWATER THAT THE PREVIOUS OFF-SPEC (CONCENTRATION), INCREASED
WAS REDETERMINED AND THE TOTAL VOLUME BY IDENTIFIED ON FRONTIER CHEMICALS
IS REQUESTED & TELEPHONED TO ME ASAP.

LYSIK, CALLED BACK & INFORMED ME THE TOL EXCEEDED 5300 GALS (USUALLY BELOW
1500 GALS) FOR TREATMENT @ .20/GAL (USUALLY @ .45/GAL) ONLY THE GOOD GAL
WAS REDETERMINED THAT I TOLD I NADOL THAT I DO NOT HAVE SENSE TO HAVE

THE OFF-SPEC & HIS OTHER WAD IN-SPEC. I ASKED IF THIS GOOD GAL TANKER
WAS REDETERMINED AND WHAT IT WOULD BEFOR PAS-OSWEGO. I NADOL THAT THE
TANKER WAS REDETERMINED & CHEMICALS REDETERMINED BEFORE PAS-1 AGAIN
INSTRUCTED I ASKED IF DO NOT MAKE SENSE FOR THE TOL CONCENTRATION IN 1 GAL
BE CAUSE OF THE GREATER THAN THAT OF THE WAD AND REQUESTED TO SPEAK
TO HIS SUPERVISOR.

LYSIK, CALLED BACK & SAID HIS SUPERVISOR ADVISED THAT THE GREATER
CONCENTRATION OF TOL IS PROBABLY THE RESULT OF A CONTAMINATED TANKER
AND THAT THE TOL WAS REDETERMINED WITH TREATING THE GOOD GALS
WAD. HE WOULD BE PAID BY EPA'S.

LYSIK, CALLED BACK & SAID HIS SUPERVISOR ADVISED THAT THE REDETERMINED
CONCENTRATION OF TOL ON 12/30/91 AT 1:40 P.M. THE ACTUAL TOTAL VOLUME
REDETERMINED & TREATMENT WILL BE BEGUN ON 12/31/91 AT WHICH TIME I WILL
CONTACT A. GURTA (HIS REQUEST).

cc: AK GURTA LYER LANZO FILES



INTERNATIONAL PROFESSIONAL SERVICE CORPORATION

URS CONSULTANTS, INC.

202 DE LAWARE AVENUE
BUFFALO, NEW YORK 14202-1600
(716) 856-5630
FAX (716) 856-2545

202 DE LAWARE AVENUE
BUFFALO, NEW YORK 14202-1600
(716) 856-5630
FAX (716) 856-2545

DATE: 12/30/91 TIME: 1125

TELEFAX TRANSMISSION

URS - BUFFALO

FAX NO. (716) 856-2545

ATTN: MR. A.K. GUPTA, P.E. FAX #: 518-457-3972

NYSDEC - ALBANY

FROM: J. L. DUNK, JR. # OF PAGES: 1 @ THE PAGE

URS CONSULTANTS, INC.

COMMENTS: PLEASE REVIEW THE MANIFESTS FOR THE 12/27/91 LEACHATE
HAULING FROM THE PAS-OSWEGO FACILITY. FORM PAS-4E
LEACHATE DISPOSAL RECORD HAS BEEN INCLUDED IN THIS
TRANSMISSION. IF YOU HAVE ANY QUESTIONS REGARDING
THE FOLLOWING INFORMATION, PLEASE DO NOT HESITATE
TO CALL.

THANK YOU,

PLEASE ALSO CC: D. IYER
FILES



LEACHATE DISPOSAL RECORD

Pollution Abatement Service

FAX MEMO
 PAGES 1 DATE 12/29/92
 TO John LYSIAK
 FROM A.K. Gupta
 CO. NYS DEC
 PH. 457-0977 FAX 457-7743

12/29/92
 PUMPING RECORD FROM WELLS TO TANK
 AND PUMPING FROM TANK TO DISPOSAL TRUCK

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
A1	9:00	4.70	9:17	9:47	11:40	4.97	
A1	9:24	6.94	9:21	9:47	11:43	7.22	RA TTERING NOISES DURING PUMP OPERATION
A1	9:48	10.12	9:35	9:47	12:40	17.93	
A1	10:12	15.79	10:10	10:25	11:50	16.10	
A1	10:36	5.10			9:47	4.59	CHAMBER #1 - CLOSED
A2	9:10	3.94			10:26	5.30	CHAMBER #2 - CLOSED

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
A1	10:12	4.59	10:10	4.47	9:55	10:10	9,480 GAL
A1	10:36	5.32	10:12	4.47	10:30	10:35	
A1	11:15	4.43	10:22	4.47	11:00	11:19	
A2	9:48	3.94	11:30	4.05	11:10	11:25	9,56 GAL

ROUTINE: A. LEACHATES FROM TOP OF WELL BINS TO LEACHATE
 AT LEACHATE FROM TOP OF TANK'S CONCRETE WALL TO LEACHATE
 BINS ARE OPENED AT THIS SITE AT 9:15 AM 2 LEACHATE BINS (4000 & 4000 GAL).
 LEACHATE WAS PUMPED INTO TWO 9000 GALLON HAULERS FROM THE TANK & THEN TO
 THE LEACHATE DISPOSAL SITE. WAS PUMPED FROM THE TANK 3 TIMES
 TO LEACHATE BINS. TOTAL VOLUME OF 10,436 GALLONS OF
 LEACHATE WAS PUMPED TO LEACHATE BINS ON 12/30/91.

By: *[Signature]*

1111 LRS CONSULTANTS, INC.

Telephone #: (716) 856-5636

10
11
12

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 9-30-94

Please print or type Do not Staple.

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.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165979438		Manifest Document No 79438		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.							
3. Generator's Name and Mailing Address NYS DEC (PAS SITE - C&I) 50 WOLF RD ALBANY, NY 12233-				A. State Manifest Document No NY B 447943 5		B. Generator's ID OSWEGO, NY									
4. Generator's Phone (315) 437-5677				C. State Transporter's ID 33-564		D. Transporter's Phone (315) 471-0503									
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		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 FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303				10. US EPA ID Number NYD043815703		(716-285-8208)									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total		14. Unit		15. Waste No.			
						No.		Type		Quantity		Wt/Vol		EPA	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - PGIII						UN3082		001 T T		04000 G		DOT 6, 5043			
b.												EPA			
c.												EPA			
d.												EPA			
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above									
a. PC04						a. 082 T									
b.						b.									
15. Special Handling Instructions and Additional Information 11a. Code 1251-748						Job Number: 54711									
** TAX EXEMPT **						Emergency Phone: (315) 471 - 0503									
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		Signature		Mo. Day Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year									
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year									
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					

NY B 447943 5

General Information

The New York State Department of Environmental Conservation requires proper documentation for hazardous waste shipments under New York State regulations. The manifest system is designed to ensure that hazardous waste is properly managed and disposed of. It is essential that all parties involved in the waste management process understand their responsibilities and the requirements of the manifest system.

Distribution

One copy of each copy of the manifest must be retained by the generator and one copy must be retained by the TSD facility. The manifest must be filed promptly. New York State requires that the manifest be filed within five (5) working days for generator and within five (5) working days for the TSD facility. The manifest is a legal document and must be retained for a minimum of three (3) years.

Generator Section

Item 1 Enter the US EPA ID number (twelve digit number) of the TSD facility to which the waste is being shipped. Each TSD facility must assign a unique number to each manifest.

Item 2 If a continuation sheet is used, please enter the number of the continuation sheet. A continuation sheet may be used for the manifest if the manifest is longer than one page. Each continuation sheet must be filed with the manifest.

Item 3 and 4 Self-Explanatory. These must be completed by the generator.

Items 5, 6, 7 and 8 These are self-explanatory. The generator must supply additional copies of this manifest (copies) for each container.

Items 9 and 10 The designated TSD facility name and address must be entered.

NOTE: All US EPA ID numbers are a twelve digit number. The facility of the generator is not required to be entered.

NOTE: Only New York State authorized transporters are allowed to transport hazardous waste in New York State. The generator must obtain a permit from the Department of Environmental Conservation for authorization.

Item 11 "TSD" means the word "Treatment, Storage and Disposal" and "Waste" means any waste that is regulated under RCRA. Enter the waste code in this box.

Item 12:

Number - indicate the number of units of waste described in Item 11.

Containers:

- DM Metal drums, barrels
- OW Wooden drums, barrels
- DF Fiberboard drums, barrels, kegs, casks
- TC Cargo tank, motor trucks
- MT Tanks, portable
- TC Tank cars
- OT Dump trucks
- OT Containers
- OT Motor trucks
- OT Rail cars
- OT Barges
- OT Other

Item 13 Actual number of units indicated in box 12. Enter the actual number of units.

Item 14 Units (weight)

- C Gallons (liquids only)
- P Pounds
- T Tons (2,000 pounds)
- Y Cubic Yards
- L Liters (liquids only)
- K Kilograms
- M Metric Tons (1,000 kilograms)
- N Cubic Meters

Item 15 Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate facility is designated, note it here. For international shipments, enter point of departure, emergency response telephone numbers, or similar information may be included here.

Item 16 The authorized agent of the generator must read and then sign by hand and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A Number preprinted by New York State Department of Environmental Conservation (NYSDEC)

Item B Generator site address if different from mailing address. If same, write in same.

Item C and E State of registration and motor vehicle license plate number of the vehicle used to transport the waste.

Item D and F Telephone number of authorized agent

Item G No entry required by NYSDEC

Item H Telephone number at site of TSD facility

Item I Hazardous waste numbers (letter and three digits) as assigned by Part 371 or 40 CFR 261 must be used to identify hazardous waste. Enter in top box by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.

Item J If description in item 11 (a,b,c) contains NOS or other general term, the hazardous waste classification must be provided here for each. The specification is assumed to be one (100) unless indicated in lower right of each box.

Item K Each material must be assigned an ultimate disposal method code as follows: F - Landfill; G - Incineration; H - Energy recovery; I - Chemical, physical, or biological treatment; R - Material recovery of more than 75 percent of the total material. Both the generator and the TSD facility should agree on codes assigned in this item.

Transporter Section

Items 17 and 18 Print or type the full name of person accepting responsibility and acknowledging receipt of material as listed on manifest for transport. Enter date of receipt and signature.

TSD Facility Section

Item 19 The authorized representative of the TSD facility must note in the space any discrepancies between waste described on manifest and waste actually received. Any rejected materials should be listed and destination of those materials provided.

Item 20 The signature (by hand) of the authorized TSD facility agent indicates acceptance (except for item 19) and agreement with statements on this manifest. The date is the date of signature and receipt of shipment. A TSD facility not bound by contract may not accept or transfer waste to a TSD facility authorized to provide ultimate disposal as indicated in item K.

Additional Information

1. If the Disposer State supplies a manifest, that state's form must be used. In any case, New York requires that both the generator and TSD facility maintain copies of the generator's State and the disposer's State, with the ultimate disposal method indicated in item K.

2. There may be variations in the requirements between various state regulations. Therefore, the generator should contact the disposer's State for specific details.

3. This document is needed in completion of this manifest and is to be retained by the TSD facility. It must be kept for a minimum of three (3) years from the date of receipt.

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

Please print or type. Do not Staple.

Form Approved OMB No 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD000511659		Manifest Document No. 79444		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC (PAS SITE - O&M) 50 WOLF RD ALBANY, NY 12233-						A. State Manifest Document No. NY B 447944 4			
4. Generator's Phone (315) 437-5677						B. Generator's ID SENECA ST OSWEGO, NY			
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS&SERVICES, INC				6. US EPA ID Number NYD980761191		C. State Transporter's ID PD 5982		D. Transporter's Phone (315) 471-0503	
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 FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303				10. US EPA ID Number NYD043815703		G. State Facility's ID		H. Facility's Phone (716) 285-8208	
11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total	14. Unit
a. RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - PGIII						No. Type 0 0 1 T T		Quantity PTM 06000	Wt/Vol G
									I. Waste No. EPA D018, D043 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. FOOD LEACHATE, VINYL CHLORIDE						c		a. 082 <input checked="" type="checkbox"/>	c. <input type="checkbox"/>
b.						d		b. <input type="checkbox"/>	d. <input type="checkbox"/>
15. Special Handling Instructions and Additional Information 11a. Code 1251-748						Job Number: 94711			
*** TAX EXEMPT ***						Emergency Phone: (315) 471 - 0503			
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 JOHN LYSIAK JR				Signature <i>John Lysiak, Jr</i>		Mo. Day Year 12 27 91			
17. Transporter 1 (Acknowledgement of Receipt of Materials)				Printed/Typed Name PATRICK T MANNIS		Signature <i>Patrick T Mannis</i>		Mo. Day Year 12 27 91	
18. Transporter 2 (Acknowledgement or Receipt of Materials)				Printed/Typed Name		Signature		Mo. Day Year	
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			

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.

NY B 447944 4

General Information

Verify that the generator has properly identified the waste and that the transporter has properly identified the destination. The generator and transporter must both sign and date the manifest. The generator must also sign and date the manifest. The transporter must also sign and date the manifest. The generator must also sign and date the manifest.

Distribution

This form is to be distributed to the generator, transporter, and TSD facility. It must be filed in the generator's State file for (G) working days for generator and (T) working days for TSD facility. The District is the state in which the original TSD facility is located. The State is the state in which the installation generating the waste is located. The Facility is a four digit number identifying the facility.

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number) of the generator. If the generator is not registered, enter "N/A". The US EPA ID number is different for each manifest, as the manifest number is different.

Item 2-If a continuation sheet is used, please print the name of the generator on the continuation sheet. The continuation sheet may be used if the generator's completion must meet New York manifest requirements. The continuation sheet must be placed in Item 1 of each continuation sheet.

Item 3 and 4-Self Explanatory. These must have been completed by the generator's US EPA ID number.

Items 5, 6, 7, and 8-These are self explanatory. The generator must provide a copy of this manifest to the transporter. The generator must provide a copy of this manifest (only one for each transporter).

Items 9 and 10-Enter the regulated TSD facility name and address. The generator must provide a copy of this manifest to the transporter.

NOTE: US EPA ID numbers are a twelve digit number. The generator must provide a copy of this manifest to the transporter.

NOTE: New York State authorized transporters are those who are licensed by the Department of Environmental Conservation. The generator must provide a copy of this manifest to the transporter.

Item 11-Enter the date of receipt of waste at the TSD facility. The generator must provide a copy of this manifest to the transporter.

Item 12-

Table with 2 columns: Container type and Quantity. Rows include: 1-M, 2-M, 3-M, 4-M, 5-M, 6-M, 7-M, 8-M, 9-M, 10-M, 11-M, 12-M, 13-M, 14-M, 15-M, 16-M, 17-M, 18-M, 19-M, 20-M, 21-M, 22-M, 23-M, 24-M, 25-M, 26-M, 27-M, 28-M, 29-M, 30-M, 31-M, 32-M, 33-M, 34-M, 35-M, 36-M, 37-M, 38-M, 39-M, 40-M, 41-M, 42-M, 43-M, 44-M, 45-M, 46-M, 47-M, 48-M, 49-M, 50-M.

Item 13-Enter the total weight of waste in pounds. The generator must provide a copy of this manifest to the transporter.

Item 14-Units (wt/vol)

Table with 2 columns: Gallons (liquid), Pounds, Tons (2,000 pounds), Y Cubic Yards and Liters (liquid), Kilograms, M Metric Tons (1,000 kilograms), N Cubic Meters.

Item 15-Use this space to indicate special transportation, treatment, storage or disposal. Bill of Lading information if an alternate facility is designated, not other. For international shipments, enter point of departure. Emergency response telephone numbers, or similar information may be included here.

Item 16-The authorized agent of the generator must read and then sign (by hand) and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

- Item A-Name of transporter by New York State Department of Environmental Conservation (NYSDEC)
Item B-Street for site address if different from mailing address of generator
Item C and E-State of registration and motor vehicle license plate number of waste hauling portion of vehicle used to transport
Item D and F-Telephone number of authorized agent
Item G-No entry required by NYSDEC
Item H-Telephone number at site of TSD facility
Item I-Hazardous waste numbers (letter and three digits) as assigned by Part 371 or 40 CFR 261 must be used to identify hazardous waste. Enter in top box by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.
Item J-If description in item 11 fails to describe NOS or other general term, the hazardous waste constituent must be provided here for each. The specific gravity assumed to be one (1.00) unless indicated in lower right of each box.
Item K-Each material must be assigned an ultimate disposal method code as follows: L = Landfill; B = Incineration, heat recovery, burning; T = Chemical, physical, or biological treatment; R = Material recovery of more than 75 percent of the total material. Both the generator and the TSD facility should agree on codes assigned in this item.

Transporter Section

Items 17 and 18-Print or type the full name of person accepting responsibility and acknowledging receipt of material as listed on manifest for transport. Enter date of receipt and signature.

TSD Facility Section

Item 19-The authorized representative of the TSD facility must note in the space any discrepancy between waste described on manifest and waste actually received. Any rejected materials should be listed and destination of those materials provided.

Item 20-The signature (by hand) of the authorized TSD facility agent indicates acceptance (except for item 19) and agreement with statements on this manifest. The date is the date of signature and receipt of shipment. A TSD facility not providing ultimate disposal agrees to transfer waste to a TSD facility authorized to provide ultimate disposal as indicated in item K.

Additional Information

- 1. If the Disposer State requires a manifest that differs from this one, in any way, New York requires that both the generator and TSD facility copies to the generator's State and the disposer's State, with the ultimate disposal method indicated in item K.
2. There may be variations in the requirements between various State regulations from A to K, therefore, the generator should contact the disposer's State for specific details.
3. Disposer's telephone number should be provided, please contact NYSDEC Manifest Section at 518-473-3626, or 473-3626, for additional information.

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: 12/17/91

Name of Contractor: _____

Destination: _____

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	7:16	4.7	7:21	8:22	9:02	5.65	
LCW-2	7:10	6	7:22	8:22	9:09	7.87	
LCW-3	7:05	16.3	7:17	8:02	9:19	18.63	
LCW-4	7:00	15.4	7:10	8:02	9:22	16.25	
Tank	7:20	7.12			8:20	3.16	

Pumping from Tank to Disposal Truck

TANK	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	

Remarks: _____

By: Bob Edwards

Firm: NYSDOC

Telephone #: _____

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: 1/19/9

Name of Contractor: _____

Destination: _____

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	1.06	4.94					
LCW-2	7.01	1.00	7.20		7.30	5.00	
LCW-3	7.00	15.2	7.30		7.30	11.0	
LCW-4	7.21	15.67	7.30		7.30	15.00	
Tank	7.15	5.92			9.20	4.33	

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
TANK	8.07	4.0	8.00	6.00	8.07	8.10	6200
	8.30	6.0	9.20	4.33	8.30	9.20	4300

Remarks: _____

By: Bob Edwards

Firm: NYSDFC

Telephone #: _____

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 9-30-94

Please print or type. Do not Staple.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (516) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165977818		Manifest Document No 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address WIS INC (PAC SITE - OSH) 50 WOLF RD ALBANY, NY 12233-		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 447742-8		B. Generator's ID OSHA, NY			
4. Generator's Phone (315 437-5677)		7. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS SERVICES, INC		C. State Transporter's ID 447742-8		D. Transporter's Phone (315) 471-8503			
9. Designated Facility Name and Site Address FRANZIER CHEMICAL WASTE PROCESS, INC. 6626 NICOL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		E. State Transporter's ID		F. Transporter's Phone ()		G. State Facility's ID	
								H. Facility's Phone (716) 265-8300	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - FULL		No. Type UN3082 001TTD6500 G						EPA 2018-0003 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. FOAM LEADER, VINYL CHLORIDE		c.		a.		c.			
b.		d.		b.		d.			
15. Special Handling Instructions and Additional Information Tax Exempt		Job Number: 36711		Emergency Phone: (315) 471 - 8503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name Mark White		Signature <i>Mark White</i>		Mo. Day Year 11 19 11			
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

NY B 447742-8

Content of manifest

Each manifest must be prepared by the generator, transporter or TCO facility. The manifest must contain the following information:

Distribution

Item 10: Name of the generator, transporter or TCO facility and the address of the facility. The name of the facility is the state in which the installation of the facility is located.

Generator Section

Item 11: Manifest ID number (twelve digit number) assigned by the generator. The generator must assign a sequential number to each manifest for each calendar year.

Item 12: A continuation sheet may be prepared if the manifest is longer than one page. A continuation sheet may be used, but each continuation sheet must meet New York manifest requirements. The manifest must be prepared in duplicate for each continuation sheet.

Item 13: A list of hazardous waste must be provided. The list must include the following information:

Item 14: A list of hazardous waste must be provided. The list must include the following information:

Item 15: A list of hazardous waste must be provided. The list must include the following information:

Item 16:

Item 16: A list of hazardous waste must be provided. The list must include the following information:

Item 17: A list of hazardous waste must be provided. The list must include the following information:

Item 18 and 19:

Item 18: A list of hazardous waste must be provided. The list must include the following information:

Item 19: A list of hazardous waste must be provided. The list must include the following information:

Item 20: A list of hazardous waste must be provided. The list must include the following information:

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A: A list of hazardous waste must be provided. The list must include the following information:

Item B: A list of hazardous waste must be provided. The list must include the following information:

Item C and D: A list of hazardous waste must be provided. The list must include the following information:

Item E: A list of hazardous waste must be provided. The list must include the following information:

Item F: A list of hazardous waste must be provided. The list must include the following information:

Item G: A list of hazardous waste must be provided. The list must include the following information:

Item H: A list of hazardous waste must be provided. The list must include the following information:

Item I: A list of hazardous waste must be provided. The list must include the following information:

Transporter Section

Item 21: A list of hazardous waste must be provided. The list must include the following information:

TCO Section

Item 22: A list of hazardous waste must be provided. The list must include the following information:

Item 23: A list of hazardous waste must be provided. The list must include the following information:

Additional Information

Item 24: A list of hazardous waste must be provided. The list must include the following information:

Item 25: A list of hazardous waste must be provided. The list must include the following information:

Item 26: A list of hazardous waste must be provided. The list must include the following information:

MANUFACTURER NAME NYS - DEC (PAS SITE O&M)

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. 4477428

MANIFEST LINE NO. 11a (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene - standards have not been set</u>		
<u>D043</u>	<u>vinyl chloride - standards have not been set</u>		

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	Methyl ethyl Ketone	.05	.75
Carbon Tetrachloride	.05	.96	Methyl Isobutyl Ketone	.05	.75
Chlorobenzene	.15	.05	Nitrobenzene	.56	.125
Cresols (and cresylic acid)	2.32	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.33
1,2-Dichlorobenzene	.45	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,1,2-Tetrifluoroethane	1.05	.56
Isocutanol	5.0	5.0	Trichloroethylene	.062	.291
Methanol	.25	.75	Trichlorofluoroethane	.05	.36
			<input checked="" type="checkbox"/> Xylene	.05	.25

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

Nickel (Ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

(a) A nationwide capacity under 40 CFR Part 268, Subpart C

(b) A case-by-case extension under 40 CFR Part 268.5.

(c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert Edwards TITLE Engineering Consultant
SIGNATURE [Signature] DATE 11/19/91

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 9-30-94

Please print or type. Do not Staple.

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.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165970009		Manifest Document No. 000009		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NEB DEC (PAC SITE - GEN) 50 WOLF RD ALBANY, NY		4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS SERVICES, INC		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 447743-7	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FOURIER CHEMICAL WASTE PROCESS, INC. 4635 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		B. Generator's ID 00000, NY	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit (Wt/Vol)		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, MIXTURE) 9 - PALLI		No. 001 Type T		00000		G		EPA 1012, 2043 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. LAQUER-VINYL CHLORIDE		c		a		c			
b.		d		b		d			
15. Special Handling Instructions and Additional Information 11a. OSHA 1251-745 ** TAX EXEMPT **				Job Number: 24711				Emergency Phone: (315) 471 - 0503	
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name Charles R Bruner		Signature <i>Charles R Bruner</i>		Mo. Day Year 11/17/91			
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

NY B 447743 7

General Information

1. This manifest is to be used for the transportation of hazardous waste from a generator to a treatment, storage, or disposal facility (TSDF) or to a permitted incineration, energy recovery, or other permitted facility. It is not to be used for the transportation of hazardous waste from a generator to a permitted land disposal unit (LDU) or to a permitted landfill. The manifest is to be used for the transportation of hazardous waste from a generator to a permitted facility that is not a TSDF, LDU, or landfill. The manifest is to be used for the transportation of hazardous waste from a generator to a permitted facility that is not a TSDF, LDU, or landfill.

Distribution

This manifest is to be distributed to the generator by the transporter. The generator must retain a copy of this manifest for a minimum of 3 years. The transporter must retain a copy of this manifest for a minimum of 3 years. The recipient must retain a copy of this manifest for a minimum of 3 years. The state in which the generator is located is the state in which the manifest is to be used.

Generator Section

Item 1: To be the US EPA ID number (twelve digit number) of the generator. The generator must assign a sequential number to each manifest as the manifest is prepared.

Item 2: If a continuation sheet is used, please indicate the number of copies of the continuation sheet may be used. The continuation sheet may be used for up to 10 copies of the manifest. The continuation sheet may be used for up to 10 copies of the manifest.

Item 3 and 4: Self-Expiration Date. There must be a self-expiration date on the manifest. The self-expiration date must be the date on which the designated TSD facility is a free land storage or disposal unit.

Items 5, 6, 7, and 8: These are self-explanatory. The generator must provide the following information: (a) Name of the generator; (b) Address of the generator; (c) Telephone number of the generator; (d) Name of the transporter.

Item 9: The designated TSD facility. The generator must provide the name and address of the designated TSD facility.

NOTE: Items 9 and 10 are to be completed by the generator. The generator must provide the name and address of the facility of transporter is to be used.

NOTE: This is the New York State authorized transporter. The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item 11: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item 12:

Number of drums of each of the following waste codes:

1. Acids, inorganic	2. Acids, organic	3. Alkalies, inorganic	4. Alkalies, organic	5. Aqueous solutions	6. Aerosols	7. Anhydrous ammonia	8. Anhydrous hydrogen fluoride	9. Anhydrous hydrogen chloride	10. Anhydrous hydrogen bromide	11. Anhydrous hydrogen iodide	12. Anhydrous hydrogen sulfide	13. Anhydrous phosphorus trichloride	14. Anhydrous phosphorus pentachloride	15. Anhydrous phosphorus pentoxide	16. Anhydrous phosphorus pentasulfide	17. Anhydrous phosphorus pentachloride	18. Anhydrous phosphorus pentasulfide	19. Anhydrous phosphorus pentachloride	20. Anhydrous phosphorus pentasulfide
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Item 13: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item 14: Initials of:

Generator (initials)	Transporter (initials)
Receiver (initials)	Manifest (initials)
Carrier (initials)	Carrier (initials)

Item 15: The generator must indicate the type of transportation. The generator must indicate the type of transportation. The generator must indicate the type of transportation.

Item 16: The generator must indicate the type of transportation. The generator must indicate the type of transportation. The generator must indicate the type of transportation.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item B: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item C and E: State of registration and motor vehicle license. The generator must provide the name and address of the transporter.

Item D: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item G: Data required by NYSDEC

- Item H: Check phone number (516) 472-6111.
- Item I: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.
- Item J: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.
- Item K: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Transporter Section

Items 17 and 18: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

TSDF Section

Item 19: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Item 20: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

Additional Information

Item 21: The generator must provide the name and address of the transporter. The generator must provide the name and address of the transporter.

ORIGATOR NAME NYS - DEC (PAS SITE O&M)

FRONTIER PRODUCT NO. 111-748

MANIFEST NO. NYB4477437

MANIFEST LINE NO. 11a (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)	(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).
<u>D018</u>	<u>benzene - standards have not been set</u>			
<u>D043</u>	<u>vinyl chloride - standards have not been set</u>			

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 XX F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Gas/vapor	Other		Gas/vapor	Other
<u>Acetone</u>	<u>0.05</u>	<u>0.59</u>	<u>Methylene Chloride</u>	<u>.20</u>	<u>.96</u>
<u>n-Butyl Alcohol</u>	<u>5.0</u>	<u>5.0</u>	<u>Methylene Chloride (pharmaceutical industry)</u>	<u>12.7</u>	<u>.96</u>
<u>Carbon Disulfide</u>	<u>1.05</u>	<u>4.81</u>	<u>Methyl ethyl ketone</u>	<u>.05</u>	<u>.75</u>
<u>Carbon Tetrachloride</u>	<u>.05</u>	<u>.96</u>	<u>Methyl isobutyl ketone</u>	<u>.05</u>	<u>.25</u>
<u>Chlorobenzene</u>	<u>.15</u>	<u>.05</u>	<u>Nitrobenzene</u>	<u>.66</u>	<u>.125</u>
<u>Cresols (and cresylic acid)</u>	<u>2.32</u>	<u>.75</u>	<u>Pyridine</u>	<u>1.12</u>	<u>.55</u>
<u>Cyclohexane</u>	<u>.125</u>	<u>.75</u>	<u>Tetrahydrofuran</u>	<u>.079</u>	<u>.05</u>
<u>1,2-Dichlorobenzene</u>	<u>.35</u>	<u>.125</u>	<u>Toluene</u>	<u>1.12</u>	<u>.25</u>
<u>Ethyl acetate</u>	<u>.05</u>	<u>.75</u>	<u>1,1,1-Trichloroethane</u>	<u>1.05</u>	<u>.1</u>
<u>Ethylbenzene</u>	<u>.05</u>	<u>.05</u>	<u>1,1,2-Trichloroethane</u>		
<u>Ethyl ether</u>	<u>.05</u>	<u>.75</u>	<u>1,1,2-Tetrachloroethane</u>	<u>1.05</u>	<u>.66</u>
<u>Isobutanol</u>	<u>5.0</u>	<u>5.0</u>	<u>Trichloroethylene</u>	<u>.082</u>	<u>.071</u>
<u>Methanol</u>	<u>.25</u>	<u>.75</u>	<u>Trichlorofluoroethane</u>	<u>.25</u>	<u>.26</u>
			<u>XX Styrene</u>	<u>.05</u>	<u>.25</u>

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

 Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

 Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (Ni) 134 mg/l Thallium (Tl) 150 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

 (a) A nationwide capacity under 40 CFR Part 268, Subpart C

 (b) A case-by-case extension under 40 CFR Part 268.5.

 (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert Edwards TITLE Engineering Geologist
SIGNATURE Robert Edwards DATE 11/19/91

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: _____

Name of Contractor: _____

Destination: _____

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1							
LCW-2							
LCW-3							
LCW-4							
Tank							

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
TANK		4.00					7.500
	1250	6.00		7.20	1251	1216	4.500

Remarks: _____

By: _____

Firm: _____

Telephone #: _____

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

HAZARDOUS WASTE MANIFEST

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

Form Approved OMB No 2050-0039 Expires 9-30-94

Please print or type. Do not Staple.

In case of emergency or spill immediately call the National Response Center (800) 424-8602 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165978629		Manifest Document No 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.					
3. Generator's Name and Mailing Address ENB INC (PWS SITE - C&W) 50 WOLF RD ALBANY, NY 12233						A. State Manifest Document No. NY B 447662-7							
4. Generator's Phone (315) 437-5677						B. Generator's ID ENB INC, NY 12233							
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS SERVICES, INC				6. US EPA ID Number NYD980761191		C. State Transporter's ID 310-01-0001							
7. Transporter 2 (Company Name)						D. Transporter's Phone ()							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 ROYAL AVENUE WATERBURY FALLS, NY 14303						10. US EPA ID Number NYD043815703							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	I. Waste No.			
a. 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - POLY						No.	Type	4500	g	NY18-0003			
b.										EPA STATE			
c.										EPA STATE			
d.										EPA STATE			
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a. LEAKAGE, VINYL CHLORIDE						a	<input type="checkbox"/>	c	<input type="checkbox"/>				
b.						b	<input type="checkbox"/>	d	<input type="checkbox"/>				
15. Special Handling Instructions and Additional Information 11a. Code 1251-708 ** TAX EXEMPT **						Job Numbers: 84711 Emergency Phone: (315) 471 - 0303							
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 [Signature]				Signature [Signature]		Mo. Day Year 1 19 19 91	
17. Transporter 1 (Acknowledgement of Receipt of Materials)						Printed/Typed Name Charles P. Brown/ke				Signature [Signature]		Mo. Day Year 10 15 91	
18. Transporter 2 (Acknowledgement or Receipt of Materials)						Printed/Typed Name				Signature		Mo. Day Year	
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	

NY B 447662 7

Site Information

Site address, street, city, county, state, zip, and telephone number. If the site is located on a highway, give the highway number and mile marker. If the site is located on a farm, give the farm name and address. If the site is located on a public utility, give the utility name and address. If the site is located on a private property, give the owner's name and address.

Disposition

State the disposition of the waste. If the waste is being stored, state the location and the date when the waste was first stored. If the waste is being treated, state the treatment process and the date when the waste was first treated. If the waste is being transported, state the mode of transport and the date when the waste was first transported.

Generator Section

Item 11 of the US EPA Form number twelve (EPA Form 102-1) is required for all generators of hazardous waste. It assigns a sequential identification number to each waste stream and transfers it to the manifest.

Item 2 of a generator's manifest is a topographical map of the site showing the location of the waste storage or treatment facility. It may be used, but it is not required. It should be filled out for each of the waste streams from each of the continuation sheets.

Item 3 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 4 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 5 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 6 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 7 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 8 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 9 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 10 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 11 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 12 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 13 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 14 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 15 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 16 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 17 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 18 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 19 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 20 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

NEW YORK STATE REQUIRES THE ADDITIONAL INFORMATION

Item 21 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 22 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 23 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 24 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 25 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 26 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 27 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 28 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 29 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 30 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Transporter Section

Item 31 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

ISIT Section

Item 32 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 33 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 34 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 35 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Additional Information

Item 36 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

Item 37 of EPA Form 102-1 is a topographical map. These must be filled out for each of the waste streams.

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
D018	benzene — standards have not been set		
D043	vinyl chloride — standards have not been set		
_____	_____	_____	_____
_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.91	Methyl ethyl ketone	.05	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl ketone	.05	.22
<input checked="" type="checkbox"/> Chlorobenzene	.05	.05	Microbenzene	.56	.125
Cresols (and cresylic acid)	2.32	.75	Pyridine	1.12	.22
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.25
1,2-Dichlorobenzene	.65	.125	Toluene	1.12	.22
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,1,2-Tetrafluoroethane	1.05	.56
Isobutanol	5.0	5.0	Trichloroethylene	.062	.071
Methanol	.25	.75	Trichlorofluoroethane	.25	.36
			<input checked="" type="checkbox"/> Xylene	.25	.25

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (Ti) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart G
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A non-migration petition under 40 CFR Part 268.5.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert Edwards TITLE Engineering Geologist II
 SIGNATURE [Signature] DATE 10/15/91

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XX Non Waste Water (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.10. You should be sure that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 XX F004 F005

The following materials are contained in the waste stream:

Table with columns: Material, Treatment Standard (mg/l) Wastewater, Other, Material, Treatment Standard (mg/l) Wastewater, Other. Lists various chemicals like Acetone, Benzene, Vinyl Chloride, etc.

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.12 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

Nickel (ni) 134 mg/l Thallium (Tl) 100 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
(b) A case-by-case extension under 40 CFR Part 268.5.
(c) A no-migration petition under 40 CFR Part 268.5.

The variance, extension, or petition applicable to the material described above expires on the following date:

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME ROBERT EDWARDS TITLE Engineering Geologist IV
SIGNATURE DATE 11/15/91

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

HAZARDOUS WASTE MANIFEST

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

Form Approved OMB No 2050-0039 Expires 9-30-94

Please print or type. Do not Staple.

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.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051265978036		Manifest Document No 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law							
3. Generator's Name and Mailing Address FRONTIER INC (PWS SITE - CSM) 50 WOLF RD ALBANY, NY 12213						A. State Manifest Document No NY B 447653 6									
4. Generator's Phone (315) 437-8477						B. Generator's ID CSM, NY 12213									
5. Transporter 1 (Company Name) ENVIRONMENTAL PROTECTIVES SERVICES, INC				6. US EPA ID Number NYD980761191		C. State Transporter's ID ES0745001									
7. Transporter 2 (Company Name)						D. Transporter's Phone ()									
8. US EPA ID Number						E. State Transporter's ID									
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESS, INC. 4625 NICOLE AVENUE NIAGARA FALLS, NY 14303						10. US EPA ID Number NYD043815703									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - P011						No. 001		Type T		100		EPA 9018, 9043			
b.												STATE			
c.												EPA			
d.												STATE			
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above									
a. LIQUID, FLAMMABLE						a. <input type="checkbox"/>		c. <input type="checkbox"/>							
b.						b. <input type="checkbox"/>		d. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information 11a. Code 121-708						Job Number: 24711									
** THE EMPTY **						Emergency Phones (315) 471 - 0503									
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 Robert Edwards		Signature <i>[Signature]</i>		Mo. Day Year 10/15/91	
17. Transporter 1 (Acknowledgement of Receipt of Materials)										Printed/Typed Name Chad P Brunelle		Signature <i>[Signature]</i>		Mo. Day Year 10/15/91	
18. Transporter 2 (Acknowledgement or Receipt of Materials)										Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space										Printed/Typed Name		Signature		Mo. Day Year	
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	

NY B 447653 6

General Information

This manifest is required for the transportation of hazardous waste from a generator to a treatment, storage, or disposal facility (TSDF) or to a permitted land disposal unit (LDU) for the purpose of treatment, storage, or disposal. The manifest system is designed to ensure that hazardous waste is properly managed and that the generator, transporter, and TSDF/LDU are properly licensed or permitted.

Distribution

This manifest is required for the transportation of hazardous waste from a generator to a treatment, storage, or disposal facility (TSDF) or to a permitted land disposal unit (LDU) for the purpose of treatment, storage, or disposal. The manifest system is designed to ensure that hazardous waste is properly managed and that the generator, transporter, and TSDF/LDU are properly licensed or permitted.

Generator Section

Item 1 Enter the US EPA ID number (twelve digits) of the generator (or assign a sequential number if different for each manifest) as the manifest number.

Item 2 If a continuation sheet is used, please indicate the continuation sheet number. The continuation sheet number may be used to identify the continuation sheet. The continuation sheet number must meet New York in general, and the continuation sheet number must be entered in Item 1 of each continuation sheet.

Item 3 and 4-Self Explanatory These must be completed by the generator.

Items 5, 7 and 8 These are self-explanatory. The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility.

Items 9 and 10 The designated TSD facility is the facility to which the waste is being transported.

NOTE: In the EPA ID number, the "A" designates a treatment, storage, or disposal facility (TSDF) and the "L" designates a permitted land disposal unit (LDU).

NOTE: Only New York State authorized transporters are allowed to transport hazardous waste from New York State to a TSDF or LDU in another state.

NOTE: The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility.

Item 11

Number and type of containers (e.g., drums, tanks, etc.) and the quantity of waste in each container. The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility.

Item 13 A The generator must enter the correct EPA ID number of the receiving facility.

Item 14-Units (Mandatory)

- A Containers (e.g., drums, tanks, etc.)
- B Pallets
- C Intermediate bulk containers (IBCs)
- D Other units
- E Other units
- F Other units
- G Other units
- H Other units
- I Other units
- J Other units
- K Other units
- L Other units
- M Other units
- N Other units
- O Other units
- P Other units
- Q Other units
- R Other units
- S Other units
- T Other units
- U Other units
- V Other units
- W Other units
- X Other units
- Y Other units
- Z Other units

Item 15 The generator must indicate the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Item 16 The generator must indicate the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A The generator must enter the correct EPA ID number of the receiving facility.

Item B The generator must enter the correct EPA ID number of the receiving facility.

Item C and E State of registration and motor vehicle license number of the transporter.

Item D The transporter must enter the correct EPA ID number of the receiving facility.

Item F The transporter must enter the correct EPA ID number of the receiving facility.

Item H The transporter must enter the correct EPA ID number of the receiving facility.

Item I The generator must enter the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Item J The generator must enter the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Item K The generator must enter the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Transporter Section

Items 17 and 18 The transporter must enter the correct EPA ID number of the receiving facility. The transporter must also provide a copy of this manifest to the generator and a copy to the receiving facility.

15LF Section

Item 19 The generator must enter the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Item 20 The generator must enter the correct EPA ID number of the receiving facility. The generator must also provide a copy of this manifest to the transporter and a copy to the receiving facility.

Additional Information

The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility.

The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility.

The generator must provide a copy of this manifest to the transporter and a copy to the receiving facility. The generator must also provide a copy of this manifest to the receiving facility.

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: 9/10/91
 Name of Contractor: EP&S
 Destination: Frontier

Pumping Record from Wells to Tank

Well	9/9/91 Before Pumping		9/9/91 Pumping		9/10/91 After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	1511	-4.83'	1700	1830	0711	-6.75'	
LCW-2	1509	-7.06'	1700	1830	0709	-8.98'	
LCW-3	1506	-16.31'	1700	1800	0707	-16.5'	
LCW-4	1503	-14.83'	—	—	0715	-14.81'	
Tank	1505	-7.59'			1830 1714	-4.25'	

Pumping from Tank to Disposal Truck

9/10/91	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
TANK	0900	-58"	1003	-75 1/2"	0928	1000	~5400 gals
	1003	-75 1/2"	1115	-92"	1020	1111	~5100 gals

Remarks: There's leachate in north portion of tank at a level approximately 3" below baffle. Pumping out of tank did not affect this. Leachate has been there for a while. Don't have a key to open back door to remove leachate. There are about 5,000 gallons of leachate in the north chamber.

By: R. McNamee

Firm: NYSD&C

Telephone #: 4575677

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

Form Approved. OMB No 2050-0039. Expires 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165936611	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 NYS DEC (PAS SITE - OSM) 50 WOLF RD ALBANY, NY 12233-		6. US EPA ID Number NYD900761191		A. State Manifest Document No. NY B 283661 1		
4. Generator's Phone (315 437-5677)		7. Transporter 2 (Company Name)		B. Generator's ID B SENeca ST ORWEGO, NY 13126		
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		8. US EPA ID Number		C. State Transporter's ID 329764 NY		
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		D. Transporter's Phone (315) 471-0503		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol
a. RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 -- PGIII		No. 013082 Type Q Q 1 T T 0 6 0 0 0 G				I. Waste No. EPA 0018, 0043 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. PC04 LECHATE, VINYL CHLORIDE		c		a 002 7		c
b		d		b		d
15. Special Handling Instructions and Additional Information 11a. Code 1251-748 TAX EXEMPT		Job Number: 84711 Emergency Phone: (315) 471 - 0503				
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		Signature		Mo. Day Year
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year
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		

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.

GENERATOR

TRANSPORTER

FACILITY

NY B 283661 1

General Information

New York State's digital manifest program... The manifest system is designed to accomplish this goal, it is essential that all...

Distribution

Distribution of each copy of the manifest is the responsibility of the generator... provide five (5) working days for generator approval...

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number) of the TSD facility to which the waste is being transported... as the manifest number.

Item 2-If a continuation sheet is used, please indicate the date when the generator's name and address information sheet may be used, but distribution completion must meet New York manifest requirements. The date must appear in Item A on the placement sheet.

Item 3 and 4 Self Explanatory These must be completed by the generator.

Items 5, 6, 7 and 8-These are self explanatory. The generator must provide a copy of this manifest to the generator's designated TSD facility.

Items 9 and 10-The designated TSD facility must be a permitted facility in New York State.

NOTE: All US EPA ID numbers are a twelve digit number with each digit corresponding to the state in which the facility or transporter is located.

NOTE: Only New York State authorized transporters may transport hazardous waste in New York State. The generator must check for authorization.

Item 11 USDOT requires the word "waste" be printed on the manifest... assistance. Any waste in this box is a conditional waste.

Item 12-

- Number—indicate number of containers used
- Containers Type: DM Metal drums, barrels; DW Wooden drums, barrels; DF Fiber board or plastic drums, crates; FT Cargo tank, tank trucks; FR Tanks, portable; TC Tank cars
- OT Other trucks; CY Cylinders; CM Motor oil, greases, oil off's; CW Waste oil; boxes, cartons; BB Bagged, washed, paper bags

Item 13-Actual number of units indicated in box 11 (do not include waste materials)

Item 14-Units (all vol)

- G Gallons (gallons only); P Pails; T Tons (2000 pounds); Y Cubic Yards
- Other units enter; K Kegs; M Metric Ton (1000 kilograms); N Cubic Meters

Item 15-Use this space to indicate special transportation, treatment, storage or disposal, or B listed coding information. If an alternate facility is designated, note it here. For international shipments, enter point of destination. Emergency response hot line numbers, or similar information may be included here.

Item 16-The authorized agent of the generator must sign and when sign (by hand) on this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A-Number printed by New York State Department of Environmental Conservation (NYSDEC)

Item B-Generator's state of origin (do not print same as item 5)

Item C and E-State of registration and motor vehicle license state number (if any) of generator's vehicle

Item D and F-Telephone number of authorized agent

Item G-No entry required by NYSDEC

Item H-Telephone number of site of TSD facility

Item I-Hazardous waste identification code(s) assigned by Part 371.44 of 61 NYCRR must be used to identify hazardous waste. Enter in top box by EPA. If waste is not hazardous in New York but required by another state, enter that state's waste code in bottom box.

Item J-If description of waste in box 11 contains one or more general terms, hazardous waste constituent must be provided for each. The special gravity assumed to be one (1.00) unless indicated in column of each box.

Item K-Each manifest must be labeled as required on the manifest and on any other containers. Labels must include: 1 - Chemical, physical and hazard information. Material hazard information 75 percent of total material. Substance identification number (EPA identification codes) evaluated if this data.

Transporter Section

Items 17 and 18-Enter on this the following information: transporter's name, address, telephone number, and date of receipt and shipment.

TSD Facility Section

Item 19-Enter on this the following information: TSD facility name, address, telephone number, and date of receipt and shipment.

Item 20-Enter on this the following information: TSD facility name, address, telephone number, and date of receipt and shipment.

Additional Information

Use this space to provide any additional information regarding this shipment.

Signature of generator's authorized agent: _____ Title: _____

Signature of transporter's authorized agent: _____ Title: _____

(First Third, Second Third, Third Third)

By signing this notice of certification to Frontier Chemical Waste Process, Inc. to comply with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate prohibitions required to comply with the prohibitions on land disposal for this waste.

WASTE LIST GROUP (Check one)	Waste Water	XX	Non Waste Water	(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids)
	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)	
DC1	benzene - standards have not been set			
DC2	Vinyl Chloride - standard have not been set			

SPENT SOLVENTS

Materials identified below are restricted from landfill under 40 CFR 268.32. The residue from the treatment of this material may not be landfilled unless the residue is below the applicable treatment standard.

Waste Numbers: F001 F002 F003 XXX

Materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	1.05	0.59	Methylene Chloride	1.05	1.05
Diethyl sulfide	5.0	5.0	Methylene Chloride (pharmaceutical powder)	12.1	1.05
Diethyl ether	1.05	4.31	Methyl ethyl ketone	1.05	1.05
Diethylamine	1.05	1.05	Methyl isobutyl ketone	1.05	1.05
Diethylamine (and cresylic acid)	2.32	1.75	Microbenzene	1.05	1.05
Diethylamine	1.25	1.75	Pyridine	1.05	1.05
Diethylamine	1.65	1.25	Tetrachloroethylene	1.05	1.05
Diethylamine	1.05	1.75	Toluene	1.12	1.05
Diethylamine	1.05	1.05	1,1,1-Trichloroethane	1.05	1.41
Diethylamine	1.05	1.75	1,1,2-Trichloro-		
Diethylamine	5.0	5.0	1,1,2-Trichloroethane	1.05	1.05
Diethylamine	1.25	1.75	Trichloroethylene	1.05	1.05
			Trichlorofluoroethane	1.05	1.05
			Xylene	1.05	1.05

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

Nickel (ni) 134 mg/l Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart G
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A nonmigration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date:

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

Signature: Robert J. McNamee TITLE: Sr. Engrg. Geologist DATE: 7/10/79



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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165936620		Manifest Document No. 36620		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYSDOC (PAG SITE - OSM) 50 WOLF RD ALBANY, NY 12233		A. State Manifest Document No. NY B 283662 0		B. Generator's ID # 36620 OSMDO, NY 13126		C. State Transporter's ID		D. Transporter's Phone (315) 471-0503	
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS&SERVICES, INC		6. US EPA ID Number NYD980761191		E. State Transporter's ID		F. Transporter's Phone ()	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID	
9. Designated Facility Name and Site Address		10. US EPA ID Number		H. Facility's Phone (716) 265-8208		11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - PGIII		UN3082 001TT06000 G		06000		G		EPA 8018, 8043 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. 082 T		c.			
a. PC04 LACRYL, VINYL CHLORIDE		c.		b.		d.			
b.		d.							
15. Special Handling Instructions and Additional Information Fla. Code 1251-74B TAX EXEMPT		Job Number: 34711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

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.

NY B 283662 0

General Information

This manifest is used to track the movement of hazardous waste from the generator to the transporter, and from the transporter to the treatment, storage, and disposal facility. It is required for all hazardous waste generated in New York State, regardless of the quantity or the type of waste. The manifest must be completed and signed by the generator, the transporter, and the receiving facility. The manifest must be retained for a minimum of three years.

Distribution

One copy of each copy of the manifest is to be retained by the generator, one copy by the transporter, and one copy by the receiving facility. The generator must submit a copy of the manifest to the appropriate State Office of Environmental Conservation (NYSDEC) within five (5) working days for generator and transporter copies, and to the designated TSD facility within 15 days for generator copies. The generator must also submit a copy of the manifest to the appropriate State Office of Environmental Conservation (NYSDEC) within five (5) working days for generator and transporter copies, and to the designated TSD facility within 15 days for generator copies.

Generator Section

Item 1- Enter the US EPA ID number (twelve digit) for the generator. The generator must sign a separate signature sheet (not printed) for each manifest, as the manifest is not signed by the generator.

Item 2- If a continuation sheet is used, please enter the number of continuation sheets used. The continuation sheet may be used, but distribution and completion must meet New York manifest requirements. The continuation sheet must be placed in place of item 1 of each continuation sheet.

Item 3 and 4 Self-Explanatory. These must be filled out by the generator.

Items 5, 6, 7 and 8- These are self-explanatory. The generator must sign a separate signature sheet (not printed) for each manifest, as the manifest is not signed by the generator. The generator must submit a copy of this manifest to the appropriate State Office of Environmental Conservation (NYSDEC) within five (5) working days for generator and transporter copies, and to the designated TSD facility within 15 days for generator copies.

Items 9 and 10- The designated TSD facility (see Part 371 of the Regulations) must be entered here.

NOTE: All US EPA ID numbers are a twelve digit number starting with the state in which the facility or transporter is located.

NOTE: Only New York State authorized transporters are allowed to transport hazardous waste in New York State. The generator must check for authorization.

Item 11- USDOT requires that all waste be marked for storage, shipment, or disposal with a DOT hazard label. Contact the DOT website for more information. Also, waste in this box is a container for hazardous waste.

Item 12-

Number and type of containers (use whole number only)

- Containers/Type
 - M Metal drums, barrels
 - W Wooden drums, barrels
 - F Fiberglass or plastic drums (total)
 - C Composite tank, tank trailer
 - T Tank, tank trailer
 - B Barrels
 - D Drums
 - U Other
- Other Containers
 - D Dump Trucks
 - C Containers
 - M Metal pipes, drums, cylinders
 - W Wooden pipes
 - F Fiberglass and plastic pipes
 - BA Drums, plastic, paper bags

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 10 minutes for transporters, and 10 minutes for treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering existing data, reviewing the form, sending comments, including the burden estimate, including a request for review, and sending the data. Send comments to Chief Information Policy Branch, PM 263, Environmental Protection Agency, 401 M Street SW, Washington, DC 20460 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Item 13- Actual number of units indicated in box 14. (Do not use fractions or decimals)

Item 14- Units (wt/vol)

- G Gallons (liquids only)
- P Pounds
- T Tons (2,000 pounds)
- Y Cubic Yards
- L Liters (liquids only)
- K Kilograms
- M Metric Tons (1,000 kilograms)
- N Cubic Meters

Item 15- Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate facility is designated, note it here. For international shipments, enter point of departure. Emergency response telephone numbers or similar information may be included here.

Item 16- The authorized agent of the generator must read and then sign (by hand) and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A- Not to be preprinted by New York State Department of Environmental Conservation (NYSDEC)

Item B- Generator site address if different from mailing address. (same within same)

Item C and E- State of registration and motor vehicle license plate number of waste-carrying portion of vehicle used to transport

Item D and F- Telephone number of authorized agent

Item G- No entry required by NYSDEC

Item H- Telephone number at site of TSD facility

Item I- Hazardous waste numbers (letter and three digits) as assigned by Part 371 or 40 CFR 261 must be used to identify hazardous waste. Enter in this box by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.

Item J- If this section in item 11 (a) or (d) contains NOS or other special item, the hazardous waste constituent must be provided here for each. The specific gravity assumed to be one (1.00) unless indicated in lower right of each box.

Item K- Each material must be assigned an appropriate special method of treatment, recovery, or disposal. If the generator and the TSD facility agree on codes to be used, the logical treatment, recovery, or disposal method for that material must be entered by the generator and the TSD facility on codes to be used for this item.

Transporter Section

Items 17 and 18- For transporter, the full name of person accepting responsibility and date of receipt must be entered. The transporter must sign a separate signature sheet (not printed) for each manifest, as the manifest is not signed by the transporter.

TSD Facility Section

Item 19- The list of hazardous waste numbers of the TSD facility (see Part 371 of the Regulations) must be entered in this box. The list of waste numbers must be entered in this box. The list of waste numbers must be entered in this box. The list of waste numbers must be entered in this box.

Item 20- The list of hazardous waste numbers of the TSD facility (see Part 371 of the Regulations) must be entered in this box. The list of waste numbers must be entered in this box. The list of waste numbers must be entered in this box. The list of waste numbers must be entered in this box.

Additional Information

This section is for additional information that may be needed for the waste. It is not to be preprinted by the generator or transporter. It is not to be preprinted by the generator or transporter. It is not to be preprinted by the generator or transporter.

This section is for additional information that may be needed for the waste. It is not to be preprinted by the generator or transporter. It is not to be preprinted by the generator or transporter. It is not to be preprinted by the generator or transporter.

GENERATOR NAME NYS DEC- S site (O&M)

FRONTIER PRODU NO. 1251-748

MANIFEST NO. NYB2836611

MANIFEST LINE NO. 11 a.

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XX Non Waste Water _____

(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene - standards have not been set</u>		
<u>D043</u>	<u>Vinyl Chloride - standard have not been set</u>		

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 XXX F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	1.00	1.96
Industrial Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	1.96
Carbon Disulfide	1.05	4.81	Methyl ethyl ketone	1.05	1.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl ketone	1.05	1.75
Chlorobenzene	.15	.05	Microbenzene	.66	1.12
Creosote (and cresylic acid)	2.32	.75	Pyridine	1.12	1.33
Cyclohexanone	.125	.75	Tetrachloroethylene	1.079	1.35
1,2-Dichlorobenzene	.65	1.25	Toluene	1.12	1.35
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	1.1
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,1,2,2-Tetrafluoroethane	1.05	1.96
Isopropanol	5.0	5.0	Trichloroethylene	.662	1.091
Methanol	.25	.75	Trichlorofluoroethane	.66	1.96
			Xylene	.65	1.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A non-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. Damery TITLE Sr. Engrg. Geologist
SIGNATURE [Signature] DATE 9/10/91





01 E G E R

AUG 15 1991

July 25, 1991

Environmental Products & Services
P. O. Box 315
Syracuse, NY 13209-0315

ATTENTION: Mr. Tony Napoli

Dear Mr. Napoli:

Thank you for your continued confidence in Frontier Chemical.

This letter is in response to your request on the treatment of the leachate waste stream from NYS Department of Environmental Conservation (Frontier Approval Code 1251-748). Once received and after the material is cleared by the Quality Control Department, it is passed through sand filters and then a carbon absorption system.

The material is then stored in discharge tanks, held until analytical is performed and finally discharged into the Niagara Falls POTW once clearance is given for discharge.

Should you have any questions, please do not hesitate to call. Again, thank you for your business.

Very truly yours,

Wendy S. Hoke

Wendy S. Hoke
Customer Service Representative

WSH/lmm



LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: 8/13/91
 Name of Contractor: EPS
 Destination: Frontier

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	1020	-4'8"	—	—	1620	-6'11"	Pumping was done
LCW-2	1023	-6'10 1/2"	1415	1615	1615	-9'8"	
LCW-3	1026	-16'3 1/2"	—	—	1621	-16'	8/12. Leachate removal
LCW-4	1029	-14'10"	—	—	1618	-14'10 1/2"	
Tank	1031	-83"			1615	-52"	was 8/13

Pumping from Tank to Disposal Truck

TANK	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
	0900	-57"	1000	-73 1/2"	0900	1000	5700± gals
	1000	-73 1/2"	1045	-93"	1000	1045	6020± gals

Remarks: _____

By: R. McNamee

Firm: NYSDDEC

Telephone #: 457-5677

8-592687 - 716-852-2545



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

HAZARDOUS WASTE MANIFEST

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

Form Approved OMB No 2050-0039, Expires 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165936161		Manifest Document No. 36161		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law	
3. Generator's Name and Mailing Address NEW DEC (PAS SITE - GEN) 50 WOLF RD ALBANY, NY 12233-		A. State Manifest Document No. NY B 283616 1		B. Generator's ID # 2 SENECA ST CORICO, NY		C. State Transporter's ID		D. Transporter's Phone (315) 471-0503	
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS&SERVICES, INC		6. US EPA ID Number NYD900761191		E. State Transporter's ID		F. Transporter's Phone ()	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESS, INC. 4626 NOTAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		i. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (Other Miscellaneous Hazardous Materials) UN3082 PG III		No. Type 0 0 1 T T 0 6 0 0 0 G						EPA 1018, D043 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. PCB LIGNATE, VINYL CHLORIDE		c		a 082 7		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information 11a. 1251-748 TAX EXEMPT		Job Number: 34711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

In case of emergency or spill, immediately call the National Response Center (800) 424-8602 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

GENERATOR

TRANSPORTER

FACILITY

NY B 283616 1

General Information

New York State regulation requires proper handling of hazardous waste. A hazardous waste is considered a liability. An generator is responsible under New York State law for the proper handling of hazardous waste. The generator is responsible for the ultimate disposal of hazardous waste they generate. The manifest system is designed to ensure that hazardous waste is properly handled and disposed. In order to accomplish this goal it is essential that all information on the manifest is properly recorded.

Distribution

Distribution of each copy of the manifest is as follows: one to generator, one to the transporter, one to the TSD facility. The manifest must be provided promptly. New York State regulations provide five (5) working days for generator and transporter to file the manifest with the designated TSD facility or state. Generator's state is the state in which the installation of the TSD facility is located. Transporter's state is a TSD facility's state of storage or disposal facility.

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number) of the TSD facility to which you are transporting waste. You must assign a sequential unique five digit number different for each manifest as the manifest number.

Item 2a-f- continuation sheet is used, please use the continuation sheet. A separate continuation sheet may be used, but distribution and completion must meet New York manifest requirements. The date of receipt of waste must be placed in Item 1 of each continuation sheet.

Item 3 and 4-Self Explanatory. These must be explained with a separate sheet.

Items 5, 6, 7 and 8-These are self explanatory. If you are shipping to a TSD facility in another state, you must assign a sequential unique five digit number. Supply additional copies of this manifest for each TSD facility.

Items 9 and 10 The designated TSD facility name and EPA ID number should be entered.

NOTE: All US EPA ID numbers are a twelve digit number. The first two digits are the state in which the facility or transporter is located.

NOTE: Only New York State authorized transporters are permitted to transport hazardous waste in New York State. The generator should check for authorization.

Item 11 USDOT requires the word "waste" before the hazard code. The hazard code is found in 49 CFR 173.133. Contact USDOT office for additional standards. Any waste in this box is a container of hazardous waste.

Item 12:

Number—Indicate number of containers, units, or packages.

Containers/Type

DM-Metal drums, barrels

DW-Wooden drums, barrels

DF-Fiberboard or plastic drums, cases

TT-Cargo tank, tank truck

TR-Tanks, portable

TC-Tote bins

DT-Drums

DC-Drums

CM-Composite, metal, plastic

CC-Composite

ET-Empty metal, plastic, or other

EB-Bulk, plastic, metal bags

Participating under this collection of information is required to average 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage, and disposal facilities. This time for time for reviewing information, gathering information, starting and forwarding the manifest, meeting with the transporter, and meeting with the generator. For more information, contact the Environmental Policy Board (EPA) at the U.S. Environmental Protection Agency, 401 M Street SW, Washington, DC 20460, and to the Office of Information and Regulatory Management, 1215 B Street, NW, Washington, DC 20004.

Item 13 Actual number of units indicated in box 14. (Do not use fractions or decimals)

Item 14-Units (wt/vol)

G-Gallons (liquids only)

P-Pounds

T-Tons (2,000 pounds)

Y-Cubic Yards

L-Liters (liquids only)

K-Kilograms

M-Metric Tons (1,000 kilograms)

N-Cubic Meters

Item 15 Use this space to indicate special transportation, treatment, storage or disposal (if bill of lading information). If an alternate facility is designated, note it here. For international shipments, point of departure. Emergency response information, telephone numbers or similar information may be included here.

Item 16 The authorized agent of the generator must read and then sign (by hand) and date this certificate. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A Number preprinted by New York State Department of Environmental Conservation (NYSDEC)

Item B Generator site address (different from business address) of the waste in care.

Item C and E State of registration and motor vehicle license plate number of the waste transporter.

Item D and F Telephone number of authorized agent.

Item G Entry required by NYSDEC.

Item H Telephone number at site of TSD facility.

Item I Hazardous waste numbers (letter and three digit) as assigned by Part 371.6 (b) of 261 must be used to identify hazardous waste. Enter if required by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.

Item J Description in item 11 (a,b,c,d) units as NOS or other transportation label hazard code. For most wastes must be repeated here for each. The specific gravity assumed to be one (1.00) unless indicated in lower right of each box.

Item K Each material must be assigned a waste description code (found in 261.133) and a hazard code (found in 261.133) during the Chemical, physical, or biological hazard tests. Material hazard information is found in the bottom right of the manifest. The following information is assigned in this item:

Transporter Section

Items 17 and 18 Print or type the full name of person who dated and signed this certificate. The signature must be in black ink and must be dated. The date of the signature.

TSD Section

Item 14 Authorized representative of the TSD facility, the specific name of the facility, and the address of the facility. The name of the facility should be listed and description of the generator's waste.

Transporter's name, address, and telephone number. The transporter's name, address, and telephone number should be listed in the bottom right of the manifest. The transporter's name, address, and telephone number should be listed in item K.

Additional Information

For more information, contact the New York State Department of Environmental Conservation (NYSDEC) at 615 State Street, Albany, NY 12243. Telephone: (518) 474-2300. Fax: (518) 474-2301. Website: www.nysdec.gov. For more information, contact the U.S. Environmental Protection Agency (EPA) at 401 M Street SW, Washington, DC 20460. Telephone: (202) 233-0333. Fax: (202) 233-0334. Website: www.epa.gov.

GENERATOR NAME NYS DEC -P' site O&M

FRONTIER PRODUCT 1251-748

MANIFEST NO. NYB2836161

MANIFEST LINE NO. 11a. (11a,11b,11c,11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)	standards have not been set
<u>D018</u>	<u>benzene</u>			
<u>D043</u>	<u>vinyl chloride</u>			
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.10. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXX FO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
_____ Acetone	0.05	0.59	_____ Methylene Chloride	.20	.96
_____ n-Butyl Alcohol	5.0	5.0	_____ Methylene Chloride (pharmaceutical industry)	12.7	.96
_____ Carbon Disulfide	1.05	4.81	_____ Methyl ethyl ketone	.05	.75
_____ Carbon Tetrachloride	.05	.96	_____ Methyl isobutyl ketone	.05	.33
_____ Chlorobenzene	.15	.05	_____ Microbenzene	.66	.125
_____ Cresols (and cresylic acid)	2.32	.75	_____ Pyridine	1.12	.33
_____ Cyclohexanone	.125	.75	_____ Tetrachloroethylene	.079	.05
_____ 1,2 Dichlorobenzene	.65	.125	_____ Toluene	1.12	.33
_____ Ethyl acetate	.05	.75	_____ 1,1,1-Trichloroethane	1.05	.41
_____ Ethylbenzene	.05	.053	_____ 1,1,2-Trichloro-		
_____ Ethyl ether	.05	.75	_____ 1,2,2-Tetrafluoroethane	1.05	.96
_____ Isobutanol	5.0	5.0	_____ Trichloroethylene	.062	.091
_____ Methanol	.25	.75	_____ Trichlorofluoroethane	.05	.96
			_____ Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. Montanari TITLE Sr. Engrg. Geologist
 SIGNATURE [Signature] DATE 8/13/91

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

37444
 Form Approved OMB No. 2050-0028 Expires 3-30-91

Please print or type. Do not Staple.

In case of emergency or spill, immediately call the National Response Center (800) 424-9302 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator - US EPA No. NY 000052165530282	Manifest ID 37444	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address 50 MAIN ST ALEXANDRIA, NY		4. Generator's Phone 315-437-9577		A. State Manifest ID NY-B-21128	
5. Transporter (Company Name) SAVING GENERAL INDUSTRIES, INC		6. US EPA ID Number NY 00000751191		B. State Transporter ID NY-B-21128	
7. Transporter 2 (Company Name) SAVING GENERAL INDUSTRIES, INC		8. US EPA ID Number NY 00000751191		C. State Transporter ID NY-B-21128	
9. Receptor Facility Name and Site Address PLASTER CAPITAL SHOE PROCESS, INC. 4625 MOORE AVENUE MADISON FALLS, NY 14503		10. US EPA ID Number NY 00003915703		D. State Facility ID NY-B-21128	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) HAZARDOUS LIQUID, N.O.S. (FLAMM., CORROS.) 9 (Other Miscellaneous Hazardous Materials) 3002 PGIII		12. Containers No. 301	13. Total Quantity 2706000	14. Unit G	Waste No. 1000000
Additional Descriptions for Materials listed Above: EXCESS VINYL CHLORIDE		K. Handling Codes for Wastes listed Above: 200			
15. Special Handling Instructions and Additional Information 11a. 1251-748 TAX EXEMPT		Job Number: 84711 Emergency Phone: (315) 471-0883			
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.					
17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name: Mark Watkins Signature: <i>Mark Watkins</i> Mo. Day Year: 08/10/91					
18. Transporter 2 (Acknowledgement of Receipt of Materials) Printed/Typed Name: Signature: Mo. Day Year:					
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: CHARLES LAURITELLA Signature: <i>Charles Lauritella</i> Mo. Day Year: 08/10/91					

GENERATOR NAME NYS DEC -P/ site O&M

FRONTIER PRODUCT : 1251-748

MANIFEST NO. NYB2836188

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 XXX F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
_____ Acetone	0.05	0.59	_____ Methylene Chloride	.20	.96
_____ n-Butyl Alcohol	5.0	5.0	_____ Methylene Chloride (pharmaceutical industry)	12.7	.96
_____ Carbon Disulfide	1.05	4.81	_____ Methyl ethyl ketone	.05	.75
_____ Carbon Tetrachloride	.05	.96	_____ Methyl isobutyl Ketone	.05	.33
_____ Chlorobenzene	.15	.05	_____ Microbenzene	.66	.125
_____ Cresols (and cresylic acid)	2.32	.75	_____ Pyridine	1.12	.33
_____ Cyclohexanone	.125	.75	_____ Tetrachloroethylene	.079	.05
_____ 1,2 Dichlorobenzene	.65	.125	_____ Toluene	1.12	.33
_____ Ethyl acetate	.05	.75	_____ 1,1,1-Trichloroethane	1.05	.41
_____ Ethylbenzene	.05	.053	_____ 1,1,2-Trichloro-		
_____ Ethyl ether	.05	.75	_____ 1,2,2-Tetrafluoroethane	1.05	.96
_____ Isobutanol	5.0	5.0	_____ Trichloroethylene	.052	.091
_____ Methanol	.25	.75	_____ Trichlorofluoroethane	.05	.96
			_____ Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

_____ (a) A nationwide capacity under 40 CFR Part 268, Subpart G

_____ (b) A case-by-case extension under 40 CFR Part 268.5.

_____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. [Signature] TITLE Sr. Environmental Geologist
SIGNATURE [Signature] DATE 8/13/81

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

2. The second part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

3. The third part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

RECEIVED

JUL 24 1991

Date: 7/16/91
 Name of Contractor: EPS
 Destination: _____

Bureau of
 Environmental Control

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	NOON	-4'7"	1425	1625	1625	-6'9"	
LCW-2	↓	-6'10 1/4"	—	—	1639	-8'9 1/2"	
LCW-3		-16'3 1/2"	—	—	1635	-16'1"	
LCW-4		-14'11 3/4"	—	—	1631	-14'11 3/4"	
Tank		-6'4"			1625	-3'9 1/2"	

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
TANK	0846	-43 1/2"	1000	-65"	0915	1000	6600gals [±]
	1000	-65"	1100	-83"	1015	1100	5540gals [±]

Remarks: _____

FAX MEMO
 TO: D. J. EVERETT EPS CONSULTANTS
 FROM: A. K. GUPTA
 CO: _____
 DATE: _____

By: R. McNamee

Firm: CRPS

Telephone #: 457-5677

2nd shift in tank
 7/16/91 12:00 PM to 5:00 PM
PAS-4

ONEM XAFES

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 9-30-91

Please print or type. Do not Staple.

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD000051105935792		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 NYS DEC 50 WOLF RD ALBANY, NY 12233-		6. US EPA ID Number NYD0980761191		A. State Manifest Document No. NY B 283579 2		B. Generator's ID SENeca ST OSwego, NY			
4. Generator's Phone (315) 437-5677		7. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		C. State Transporter's ID 492617		D. Transporter's Phone (315) 471-0503			
5. 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 FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD04381157103		G. State Facility's ID		H. Facility's Phone (716) 285-8208			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - PGIII		UN3082 0101TT0601010		G				EPA 0018, D043	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above							
a. F004 LEACHATE, VINYL CHLORIDE		c		a 082 T		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: S4711		Emergency Phone: (315) 471 - 0503					
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 Robert J. McNamee		Signature <i>[Signature]</i>		Mo Day Year 10/7/69			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name Dennis J. ...		Signature <i>[Signature]</i>		Mo Day Year 10/7/69			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo Day Year			
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			

NY B 283579 2

General Information

This form is to be filled out by the generator and submitted to the transporter. It is required for all generators of hazardous waste in New York State. The generator must provide the following information to the transporter. The transporter must provide the following information to the TSD facility. It is essential that all information be filled out for every manifest.

Distribution

Continuation sheets to this manifest are available upon request from the Department of Environmental Conservation, New York State Office. Provide two (2) working days for generator and transporter to complete the manifest. The generator must designate TSD facilities located in the state in which the installation (generator) is located.

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number) of the TSD facility to which the waste is being shipped. The generator must enter a different number for each manifest as the manifest is not recycled.

Item 2If a continuation sheet is used, please refer to the continuation sheet. A continuation sheet may be used for distribution and completion must meet New York manifest requirements. The number of continuation sheets must be placed in Item E of each continuation sheet.

Item 3 and 4-5 Explanatory. These must be filled out for each hazardous waste.

Items 6 & 7 and 8 are self explanatory. The generator must enter the name of the TSD facility to which the waste is being shipped. The generator must enter the name of the TSD facility to which the waste is being shipped.

Items 9 & 10 The designated TSD facility must be a TSD facility in New York State.

NOTE: Only US EPA ID numbers are a twelve digit number. The generator must enter the state in which the facility or transporter is located.

NOTE: Only New York state authorized transporters are permitted to transport hazardous waste in New York State. The generator must check for authorization.

Item 11 US DOT hazard ID word. See both the DOT hazard ID word and the DOT hazard ID code. The generator must enter the DOT hazard ID word and the DOT hazard ID code for each waste.

Item 12

<ul style="list-style-type: none"> DM Metal drums (tins) EW Wooden drums (barrels) DF Fiberglass reinforced plastic (glass) FG Glass (all containers) FP Tanks (barrels) TD Tote bins 	<ul style="list-style-type: none"> DI Dump (solid) CY Closures CV Vessels (all containers) EM Empty (all containers) CF Empty (all containers) BA Barrels (metal, other bags) 	<p>Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for TSD facilities, and 10 minutes for treatment, storage, or disposal facilities. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to Washington, DC 20503, Office of Management and Budget, Paperwork Project (0704-0188).</p>
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Item 13 Actual number of units collected in this manifest. Enter the number of units collected in this manifest.

Item 14 Units (all units)

G Gallons (liquid only)	J Jugs (all units)
P Pounds	K Kegs (all units)
T Tons (2,000 pounds)	M Metric Tons (1,000 kilograms)
Y Cubic Yards	N Cubic Meters

Item 15 Use this space to indicate special transportation, treatment, storage or disposal information. If an alternate facility is designated, note the alternate facility name to enter point of departure. Emergency response telephone numbers, or similar information may be included here.

Item 16 The authorized agent of the generator must read and then sign (by hand) and date this continuation. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A This section is required by New York State Department of Environmental Conservation (NYSDEC). The generator must enter the address of the TSD facility to which the waste is being shipped. If same write in same.

Item C and **E** State of origin and material description. The generator must enter the state of origin and the material description of the waste.

Item D and **F** Telephone number of authorized agent.

Item G - No entry required by NYSDEC.

Item H This is from a permit at site of TSD facility.

Item I Hazardous waste identifiers letter and three digit code assigned by Part 271 of 40 CFR 261 must be used to identify hazardous waste. Enter in the box by EPA. If waste is not hazardous in New York but required by another state, enter that state's waste code in bottom box.

Item J This is for material that is not a liquid (OY or other general term) for hazardous waste. The generator must enter the specific gravity assigned to the one of the units, rounded to the nearest whole number.

Item K - A generator must describe the designated special method code as to the type of treatment, storage or disposal unit. The generator, physical or chemical treatment, or material recovery of more than 75 percent of the material for the generator and the TSD facility should agree on codes assigned to the unit.

Transporter Section

Items 17 and 18 Print the name and home of person defining responsibility for the transport of materials and the transporter for transport. Enter date of receipt at destination.

TSD Facility Section

Item 19 This is for the transporter to fill out. The generator must enter the name of the TSD facility to which the waste is being shipped. The generator must enter the name of the TSD facility to which the waste is being shipped.

Item 20 This is for the transporter to fill out. The generator must enter the name of the TSD facility to which the waste is being shipped. The generator must enter the name of the TSD facility to which the waste is being shipped.

Additional Information

Item 21 This is for the transporter to fill out. The generator must enter the name of the TSD facility to which the waste is being shipped. The generator must enter the name of the TSD facility to which the waste is being shipped.

Item 22 This is for the transporter to fill out. The generator must enter the name of the TSD facility to which the waste is being shipped. The generator must enter the name of the TSD facility to which the waste is being shipped.

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 9-30-91

Please print or type. Do not Staple.

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.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD000051165935792		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY 12233-		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 283579 2		B. Generator's ID # 283579 2		C. State Transporter's ID	
4. Generator's Phone (315) 437-5677		7. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		8. US EPA ID Number		D. Transporter's Phone (315) 471-0503		E. State Transporter's ID	
5. Transporter 2 (Company Name)		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		F. Transporter's Phone ()		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 - PGIII		No. Type 001TT06000 G						EPA 2018-2043 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. FOOD LIQUATE VINYL CHLORIDE		c		a <input type="checkbox"/>		c <input type="checkbox"/>			
b		d		b <input type="checkbox"/>		d <input type="checkbox"/>			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: 94711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

NY B 283579 2

General Information

New York State requires generators of hazardous waste to file a manifest with the New York State Department of Environmental Conservation (DEC) at the time of shipment. This manifest is required for all hazardous waste shipments, regardless of whether the waste is transported to a treatment, storage, and disposal facility (TSDF) or to a permitted landfill.

The manifest is a document that tracks hazardous waste from the generator to the treatment, storage, and disposal facility (TSDF) or to a permitted landfill. It is a legal document that provides a record of the waste's movement and ensures that it is properly managed.

The manifest is a document that tracks hazardous waste from the generator to the treatment, storage, and disposal facility (TSDF) or to a permitted landfill. It is a legal document that provides a record of the waste's movement and ensures that it is properly managed.

Distribution

The manifest is distributed to the generator, the transporter, and the treatment, storage, and disposal facility (TSDF) or to a permitted landfill. The generator is responsible for providing the manifest to the transporter, who is responsible for providing it to the TSDF or to a permitted landfill.

The manifest is distributed to the generator, the transporter, and the treatment, storage, and disposal facility (TSDF) or to a permitted landfill. The generator is responsible for providing the manifest to the transporter, who is responsible for providing it to the TSDF or to a permitted landfill.

The manifest is distributed to the generator, the transporter, and the treatment, storage, and disposal facility (TSDF) or to a permitted landfill. The generator is responsible for providing the manifest to the transporter, who is responsible for providing it to the TSDF or to a permitted landfill.

Generator Section

Item 1 Enter the EPA ID number (twelve digit number) for each manifest, as the manifest number.

Item 1 Enter the EPA ID number (twelve digit number) for each manifest, as the manifest number.

Item 1 Enter the EPA ID number (twelve digit number) for each manifest, as the manifest number.

Item 2 If a continuation sheet is used, please complete this New York manifest continuation sheet.

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Item 3 and **4** Fill explanatory. These must contain the following information:

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Item 5 and **6** Fill in the name and address of the generator.

Item 5 and **6** Fill in the name and address of the generator.

Item 5 and **6** Fill in the name and address of the generator.

Item 7 Fill in the name and address of the transporter.

Item 7 Fill in the name and address of the transporter.

Item 7 Fill in the name and address of the transporter.

Item 8 Fill in the name and address of the treatment, storage, and disposal facility (TSDF) or to a permitted landfill.

Item 8 Fill in the name and address of the treatment, storage, and disposal facility (TSDF) or to a permitted landfill.

Item 8 Fill in the name and address of the treatment, storage, and disposal facility (TSDF) or to a permitted landfill.

Item 9 Fill in the name and address of the generator.

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Item 10:

Item 10 Describe the waste in terms of its physical and chemical characteristics.

Item 10 Describe the waste in terms of its physical and chemical characteristics.

Item 10 Describe the waste in terms of its physical and chemical characteristics.

- A. Containers:
 - 1. I.M.M. (plastic) barrels
 - 2. 55 Gallon drums
 - 3. 200 Liter metal drums
 - 4. 200 Liter plastic drums
 - 5. 200 Liter metal cans
 - 6. 200 Liter plastic cans
 - 7. 200 Liter metal pails
 - 8. 200 Liter plastic pails
 - 9. 200 Liter metal buckets
 - 10. 200 Liter plastic buckets
 - 11. 200 Liter metal jugs
 - 12. 200 Liter plastic jugs
 - 13. 200 Liter metal cans
 - 14. 200 Liter plastic cans
 - 15. 200 Liter metal pails
 - 16. 200 Liter plastic pails
 - 17. 200 Liter metal buckets
 - 18. 200 Liter plastic buckets
 - 19. 200 Liter metal jugs
 - 20. 200 Liter plastic jugs

- B. Dump trucks
- C. Crates
- D. I.M.M. (metal) cases, totes, pails
- E. 55 Gallon drums
- F. 200 Liter metal drums
- G. 200 Liter plastic drums
- H. 200 Liter metal cans
- I. 200 Liter plastic cans
- J. 200 Liter metal pails
- K. 200 Liter plastic pails
- L. 200 Liter metal buckets
- M. 200 Liter plastic buckets
- N. 200 Liter metal jugs
- O. 200 Liter plastic jugs

Refer to the burden for the collection of information to estimate the average burden: 37 minutes for generators, 37 minutes for transporters, 37 minutes for treatment, storage, and disposal facilities, and 37 minutes for emergency responders. The burden for this collection of information is estimated to average 37 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, reviewing and collecting the data, and reviewing and completing the review of information. Send comments to the U.S. Environmental Protection Agency, Washington, DC 20460, regarding the burden estimate or any other aspect of the collection of information, including suggestions for reducing the burden. Send comments to the U.S. Environmental Protection Agency, Washington, DC 20460.

Item 11 and **12** are not applicable to this manifest.

Item 13 and **14** are not applicable to this manifest.

- A. Generator's name and address
- B. Transporter's name and address
- C. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address
- D. Generator's name and address
- E. Transporter's name and address
- F. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address

- A. Generator's name and address
- B. Transporter's name and address
- C. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address
- D. Generator's name and address
- E. Transporter's name and address
- F. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address

- A. Generator's name and address
- B. Transporter's name and address
- C. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address
- D. Generator's name and address
- E. Transporter's name and address
- F. Treatment, storage, and disposal facility (TSDF) or to a permitted landfill's name and address

Item 15 is not applicable to this manifest. **Item 16** is not applicable to this manifest. **Item 17** is not applicable to this manifest. **Item 18** is not applicable to this manifest. **Item 19** is not applicable to this manifest. **Item 20** is not applicable to this manifest. **Item 21** is not applicable to this manifest. **Item 22** is not applicable to this manifest. **Item 23** is not applicable to this manifest. **Item 24** is not applicable to this manifest. **Item 25** is not applicable to this manifest. **Item 26** is not applicable to this manifest. **Item 27** is not applicable to this manifest. **Item 28** is not applicable to this manifest. **Item 29** is not applicable to this manifest. **Item 30** is not applicable to this manifest. **Item 31** is not applicable to this manifest. **Item 32** is not applicable to this manifest. **Item 33** is not applicable to this manifest. **Item 34** is not applicable to this manifest. **Item 35** is not applicable to this manifest. **Item 36** is not applicable to this manifest. **Item 37** is not applicable to this manifest. **Item 38** is not applicable to this manifest. **Item 39** is not applicable to this manifest. **Item 40** is not applicable to this manifest. **Item 41** is not applicable to this manifest. **Item 42** is not applicable to this manifest. **Item 43** is not applicable to this manifest. **Item 44** is not applicable to this manifest. **Item 45** is not applicable to this manifest. **Item 46** is not applicable to this manifest. **Item 47** is not applicable to this manifest. **Item 48** is not applicable to this manifest. **Item 49** is not applicable to this manifest. **Item 50** is not applicable to this manifest. **Item 51** is not applicable to this manifest. **Item 52** is not applicable to this manifest. **Item 53** is not applicable to this manifest. **Item 54** is not applicable to this manifest. **Item 55** is not applicable to this manifest. **Item 56** is not applicable to this manifest. **Item 57** is not applicable to this manifest. **Item 58** is not applicable to this manifest. **Item 59** is not applicable to this manifest. **Item 60** is not applicable to this manifest. **Item 61** is not applicable to this manifest. **Item 62** is not applicable to this manifest. **Item 63** is not applicable to this manifest. **Item 64** is not applicable to this manifest. **Item 65** is not applicable to this manifest. **Item 66** is not applicable to this manifest. **Item 67** is not applicable to this manifest. **Item 68** is not applicable to this manifest. **Item 69** is not applicable to this manifest. **Item 70** is not applicable to this manifest. **Item 71** is not applicable to this manifest. **Item 72** is not applicable to this manifest. **Item 73** is not applicable to this manifest. **Item 74** is not applicable to this manifest. **Item 75** is not applicable to this manifest. **Item 76** is not applicable to this manifest. **Item 77** is not applicable to this manifest. **Item 78** is not applicable to this manifest. **Item 79** is not applicable to this manifest. **Item 80** is not applicable to this manifest. **Item 81** is not applicable to this manifest. **Item 82** is not applicable to this manifest. **Item 83** is not applicable to this manifest. **Item 84** is not applicable to this manifest. **Item 85** is not applicable to this manifest. **Item 86** is not applicable to this manifest. **Item 87** is not applicable to this manifest. **Item 88** is not applicable to this manifest. **Item 89** is not applicable to this manifest. **Item 90** is not applicable to this manifest. **Item 91** is not applicable to this manifest. **Item 92** is not applicable to this manifest. **Item 93** is not applicable to this manifest. **Item 94** is not applicable to this manifest. **Item 95** is not applicable to this manifest. **Item 96** is not applicable to this manifest. **Item 97** is not applicable to this manifest. **Item 98** is not applicable to this manifest. **Item 99** is not applicable to this manifest. **Item 100** is not applicable to this manifest.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item B Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item C Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item D Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item E Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item F Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item G Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item H Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item I Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item J Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item K Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item L Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item M Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item N Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item O Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item P Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item Q Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item R Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item S Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item T Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item U Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item V Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item W Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.

Item X Add information required by New York State Department of Environmental Conservation (DEC) regarding the waste's characteristics.



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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD000051165935828		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY 12233-		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 283582 8		B. Generator's ID SENECA ST OSWEGO, NY			
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		8. US EPA ID Number		C. State Transporter's ID 72996		D. Transporter's Phone (315) 471-0503	
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 FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID		H. Facility's Phone 716-285-8208			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. RD ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (XYLENE, BENZENE) 9 - PGIII		No. Type 001 T T		06000 G		G		EPA STATE 0018, 0043	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above							
a. FOO4 LUBRICATE, VINYL CHLORIDE		c		a 082 T		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: S4711		Emergency Phone: (315) 471 - 0503					
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 <i>Robert J. [Signature]</i>		Signature <i>[Signature]</i>		Mo. Day Year <i>01/16/91</i>			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name <i>Mark [Signature]</i>		Signature <i>[Signature]</i>		Mo. Day Year <i>01/16/91</i>			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

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.

NY B 283582 8

General Information

New York State regulation requires proper documentation of information to be kept on file by the generator. Legibility is considered a violation. All generators are responsible under New York State law for the proper identification, labeling, packaging and ultimate disposal of all hazardous waste they generate. The manifest system is designed to track hazardous waste from the generator to the final disposal (cradle to grave). In order to accomplish this goal, it is essential that all entries on a manifest be properly completed.

Distribution

Distribution of each copy of the manifest is indicated on the bottom of the form. Copies of the manifest must be mailed promptly. New York State regulations provide five (5) working days for generator and transporter to a TSD Facility. The state in which the designated TSD facility is located. Generator's state is the state in which the installation generator, transporter, or TSD facility is a treatment, storage or disposal facility.

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number) issued by the Environmental Protection Agency. The generator must assign a sequential unique five digit number different for each manifest, as the manifest number.

Item 2-If a continuation sheet is used, please enter the continuation sheet number. All the above information on sheet may be used, but distribution and completion must meet New York manifest requirements. This document number for item A must be placed in Item L of each continuation sheet.

Item 3 and 4-Self Explanatory. These must correspond to the generator's US EPA ID number.

Items 5, 6, 7 and 8-These are self explanatory. The generator must be sure that one transporter is used. If more than one transporter is used, the generator must supply additional copies of this manifest (copy #3) for each transporter.

Items 9 and 10-The designated TSD facility name and EPA ID number should appear here.

NOTE: All US EPA ID numbers are a twelve digit identification with the first two digits indicating the state in which the facility or transporter is located.

NOTE: Only New York State authorized transporters are allowed to transport hazardous waste in New York State. The generator should check for authorization.

Item 11-USDOT requires the word "waste" before or in the shipping name for all hazardous waste. See 49 CFR 171.173. Contact USDOT office for detailed assistance. Any waste in this box is considered hazardous waste.

Item 12:

Number - reflects number of containers (use whole numbers)

- Containers Type
- DM-Metal drums, barrels
- DW-Wooden drums, barrels
- DF-Fiberboard or plastic drums (glass)
- TL-Tank truck, tank trucks
- TP-Tanks, portable
- TC-Tank cars
- DI-Dump trucks
- CY-Cylinders
- CM-Metal boxes, cases, crates
- CW-Wooden crates
- CB-Fiber or plastic boxes, cartons
- BA-Bi-degradable, paper bags

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments including the burden estimate, included suggestions for reducing this burden to: Chief Information Policy Branch, PM 229, U.S. Environmental Protection Agency, 401 M Street SW, Washington, DC 20460 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Item 13-Actual number of units indicated in box 14. (Do not use fractions or decimals)

Item 14 Units (wt/vol)

- G-Gallons (liquids only)
- P-Pounds
- T-Tons (2,000 pounds)
- Y-Cubic Yards
- L-Liters (liquids only)
- K-Kilograms
- M-Metric Tons (1,000 kilograms)
- N-Cubic Meters

Item 15-Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate facility is designated, note it must be for international shipments, enter point of departure. Emergency response telephone numbers, or similar information may be included here.

Item 16-The authorized agent of the generator must read and then sign (by hand) and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A-Phone (preprinted by New York State Department of Environmental Conservation (NYSDEC))

Item B-Generator site address if different from mailing address, if same, write in same

Item C and E-State of registration and motor vehicle license plate number of waste carrying portion of vehicle used to transport

Item D and F-Telephone number of authorized agent

Item G-No entry required by NYSDEC

Item H-Telephone number at site of TSD facility

Item I-Hazardous waste numbers (letter and three digits) as assigned by Part 371 or 40 CFR 261 must be used to identify hazardous waste. Enter in top box by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.

Item J-For description in item 11 (a,b,c,d) contains NOS or other general term, the hazardous waste constituent must be provided here for each. The specific gravity at 20°C must be one (1.00) unless indicated in lower right of each box.

Item K-Each material must be assigned an ultimate disposal method code as follows: U = Landfill; B = Incineration, heat recovery, burning; T = Chemical, physical or biological treatment; R = Material recovery or more than 75 percent of the total material. Both the generator and the TSD Facility should agree on codes assigned in this item.

Transporter Section

Items 17 and 18-Print or type the full name of person accepting responsibility and acknowledging receipt of material as listed on manifest for transport. Enter date of receipt and signature.

TSD Facility Section

Item 19-The authorized representative of the TSD Facility must note in this space any discrepancy between waste described on manifest and waste actually received. Any rejected materials should be listed and destination of those materials provided.

Item 20-The signature (by hand) of the authorized TSD Facility and dates and time received will be required for item 19 and to preprint with statements on this manifest. The date, time, date of signature and receipt of shipment. A TSD Facility providing alternate disposal and/or transfer waste to a TSD Facility must provide proof of disposal as indicated in Item K.

Additional Information

1. If the transporter State supplies a manifest that state's form must be used. In a multi-state New York generator, it is the generator's responsibility to TSD Facility mail copies to the generator's State and the transporter's State with the ultimate disposal method indicated in item K.

2. There may be variations in the requirements between various state regarding items A thru K. Therefore, the generator should contact the disposal State to be sure the details.

For assistance with this form, contact the New York State Department of Environmental Conservation, 6150 Route 9W, Albany, NY 12243-1500.



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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD000051165935828		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.			
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY		4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 283582 8			
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 BOYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		B. Generator's ID DE SENCKA ST OSWEGO, NY			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit		15. Waste No.			
a. 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S - (XYLENE, BENZENE) 9 - PGIII		No. Type 001TT06000 G		Quantity 001TT06000		Unit G		EPA STATE 0018-0043 STATE			
b.								EPA STATE			
c.								EPA STATE			
d.								EPA STATE			
J. Additional Descriptions for Materials listed Above FOO4		K. Handling Codes for Wastes Listed Above 082 T		a		c					
a. LIQUATE VINYL CHLORIDE		c		a		c					
b		d		b		d					
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: 54711		Emergency Phone: (315) 471 - 0503							
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		Signature		Mo.		Day		Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo.		Day		Year	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo.		Day		Year	
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	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7382.

GENERATOR

TRANSPORTER

FACILITY

NY B 283582 8

GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB 2835792

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XX Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D008</u>	<u>BENZENE -- standards have not been set</u>		
<u>D043</u>	<u>vynal chloride - standards have not been set</u>		
	<u>VINYL</u>		

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XX FO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	Methyl ethyl ketone	.05	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl Ketone	.05	.33
Chlorobenzene	.15	.05	Nitrobenzene	.66	.125
Cresols (and cresylic acid)	2.82	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Tetrafluoroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>XX</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

_____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C

_____ (b) A case-by-case extension under 40 CFR Part 268.5.

_____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. Alvarado TITLE Sr. Enviro Geologist
SIGNATURE [Signature] DATE 7/10/91

GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB2835828

MANIFEST LINE NO. 11 a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)	(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).
<u>D018</u>	<u>BENZENE - Standards have not been set</u>			
<u>D043</u>	<u>vinylchloride - STANDARDS HAVE NOT BEEN SET</u>			

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.10. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXX FO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
<u>Acetone</u>	<u>0.05</u>	<u>0.59</u>	<u>Methylene Chloride</u>	<u>.20</u>	<u>.96</u>
<u>n-Butyl Alcohol</u>	<u>5.0</u>	<u>5.0</u>	<u>Methylene Chloride</u>	<u>12.7</u>	<u>.96</u>
<u>Carbon Disulfide</u>	<u>1.05</u>	<u>4.81</u>	<u>(pharmaceutical industry)</u>		
<u>Carbon Tetrachloride</u>	<u>.05</u>	<u>.96</u>	<u>Methyl ethyl ketone</u>	<u>.05</u>	<u>.75</u>
<u>Chlorobenzene</u>	<u>.15</u>	<u>.05</u>	<u>Methyl isobutyl Ketone</u>	<u>.05</u>	<u>.33</u>
<u>Cresols (and cresylic acid)</u>	<u>2.82</u>	<u>.75</u>	<u>Nitrobenzene</u>	<u>.56</u>	<u>.125</u>
<u>Cyclohexanone</u>	<u>.125</u>	<u>.75</u>	<u>Pyridine</u>	<u>1.12</u>	<u>.33</u>
<u>1,2 Dichlorobenzene</u>	<u>.65</u>	<u>.125</u>	<u>Tetrachloroethylene</u>	<u>.079</u>	<u>.05</u>
<u>Ethyl acetate</u>	<u>.05</u>	<u>.75</u>	<u>Toluene</u>	<u>1.12</u>	<u>.33</u>
<u>Ethylbenzene</u>	<u>.05</u>	<u>.053</u>	<u>1,1,1-Trichloroethane</u>	<u>1.05</u>	<u>.41</u>
<u>Ethyl ether</u>	<u>.05</u>	<u>.75</u>	<u>1,1,2-Trichloro-</u>		
<u>Isobutanol</u>	<u>5.0</u>	<u>5.0</u>	<u>1,2,2-Tetrafluoroethane</u>	<u>1.05</u>	<u>.96</u>
<u>Methanol</u>	<u>.25</u>	<u>.75</u>	<u>Trichloroethylene</u>	<u>.062</u>	<u>.091</u>
			<u>Trichlorofluoroethane</u>	<u>.05</u>	<u>.96</u>
			<u>XX Xylene</u>	<u>.05</u>	<u>.15</u>

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.12 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

 Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

 Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. [Signature] TITLE Sr. Environmental Geologist
SIGNATURE [Signature] DATE 7/14/91

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 9-30-91

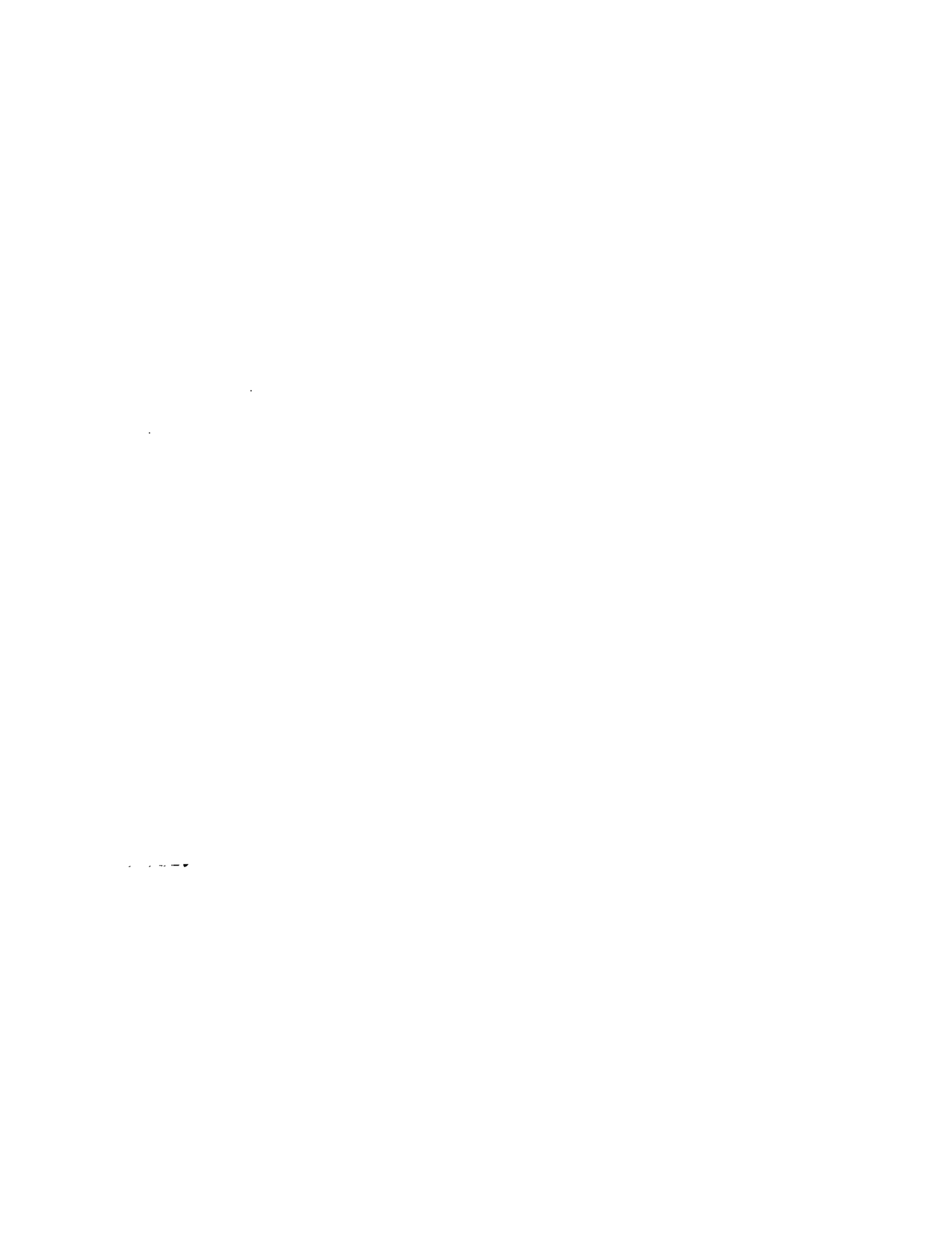
Please print or type. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165933432		Manifest Document No. 12		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.							
3. Generator's Name and Mailing Address RIS DEC 50 WOLF RD ALBANY, NY 12233-						A. State Manifest Document No. NY B 203543 2									
4. Generator's Phone (315 437-5677)						B. Generator's ID OSWEGO, NY									
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS SERVICES, INC				6. US EPA ID Number NYD980761191		C. State Transporter's ID (315) 471-0503		D. Transporter's Phone ()							
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 FRONTIER CHEMICAL WASTE 4526 ROYAL AVENUE NIAGARA FALLS, NY 14303				10. US EPA ID Number NYD043815703		G. State Facility's ID									
						H. Facility's Phone (716) 285-8208									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total		14. Unit					
a. 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, H.O.S (XYLENE, BENZENE) 9 - PELL						No. Type		Quantity		Wt/Vol					
						EPA Waste No.		L...		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. LEACHATE, VINYL CHLORIDE						a		c		c					
b.						b		d		d					
15. Special Handling Instructions and Additional Information TAX EXEMPT						Job Number: S4711 Emergency Phone: (315) 471 - 0503									
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				Signature				Mo. Day Year							
17. Transporter 1 (Acknowledgement of Receipt of Materials)				Printed/Typed Name Milk Waters				Signature <i>[Signature]</i>				Mo. Day Year 8/11/91			
18. Transporter 2 (Acknowledgement of Receipt of Materials)				Printed/Typed Name				Signature				Mo. Day Year			
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							

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.

GENERATOR
TRANSPORTER
FACILITY

NY B 203543 2





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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165933396	Manifest Document No. 6	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address WIS DEC 50 WOLF RD ALBANY, NY 12233-		A. State Manifest Document No. NY B 283539 6		B. Generator's ID OSWEGO, NY		
4. Generator's Phone (315 437-5677)		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS SERVICES, INC		6. US EPA ID Number NYD980761191		
7. Transporter 2 (Company Name)		8. US EPA ID Number		C. State Transporter's ID		
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		D. Transporter's Phone ((315) 471-0503)		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S - (XYLENE, BENZENE) 9 - PGLII		No. Type 001 T 706000 G		Quantity		Waste No. DOTB.D043
b.						EPA STATE
c.						EPA STATE
d.						EPA STATE
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above				
a. LEAKAGE VINYL CHLORIDE		c		a <input type="checkbox"/>		c <input type="checkbox"/>
b		d		b <input type="checkbox"/>		d <input type="checkbox"/>
15. Special Handling Instructions and Additional Information TAX EXEMPT Frontier W.O.# 36037		Job Number: 84711 Emergency Phones: (315) 471 - 0503				
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: _____ Signature: _____ Mo. Day Year: _____				
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name: Charles P. Boudin Signature: Charles P. Boudin Mo. Day Year: 6/1/91				
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name: _____ Signature: _____ Mo. Day Year: _____				
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: _____				

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.

GENERATOR
TRANSPORTER
FACILITY

IN 00507 9 85007 IN

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 9-30-91

Please print or type. Do not Staple.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No
NYD000051165935576

Manifest Document No
5576

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
**RES INC
50 WOLF RD
ALBANY, NY 12233-**

A. State Manifest Document No
NY B 283557 6

4. Generator's Phone
(315) 437-5677

B. Generator's ID #
CSWEGO, NY

5. Transporter 1 (Company Name)
ENVIRONMENTAL PRODUCTS & SERVICES, INC

6. US EPA ID Number
NYD980761191

C. State Transporter's ID #
EP 1401

D. Transporter's Phone
(315) 471-0503

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
**FRONTIER CHEMICAL WASTE
4626 ROYAL AVENUE
NIAGARA FALLS, NY 14303**

10. US EPA ID Number
NYD043815703

G. State Facility's ID

H. Facility's Phone
716-285-6208

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)
**NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
- (XYLENE, BENZENE)
9 - PGIII**

12. Containers
No. Type

13. Total Quantity
14. Unit
15. Waste No.

**001 TT 03000 G
EPA
D018, D043
STATE**

b.

EPA STATE

c.

EPA STATE

d.

EPA STATE

J. Additional Descriptions for Materials listed Above
**POSS
a. LEACHATE, VINYL**

K. Handling Codes for Wastes Listed Above
002 1

b.

a. b. c. d.

15. Special Handling Instructions and Additional Information
11a. Code 1251-708
Job Number: 24711
Emergency Phone: (315) 471 - 0503

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: **ERIC S. KNAPP** Signature: *Eric S. Knapp* Mo. Day Year: **1-24-11**

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: **J. H.** Signature: *J. H.* Mo. Day Year: **1-29-11**

18. Transporter 2 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Signature: Mo. Day Year:

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:

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.

GENERATOR

TRANSPORTER

FACILITY

NYD000051165935576

GENERATOR NAME NYS Dept Of Env. Conservation FRONTIER PRODUCT NO. 1251-748
 MANIFEST NO. NYB2835396 MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water _____ Non Waste Water XX (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
_____	_____	_____	_____
_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 xxx FO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
_____ Acetone	0.05	0.59	_____ Methylene Chloride	.20	.96
_____ n-Butyl Alcohol	5.0	5.0	_____ Methylene Chloride	12.7	.96
_____ Carbon Disulfide	1.05	4.81	(pharmaceutical industry)		
_____ Carbon Tetrachloride	.05	.96	<u>xx</u> Methyl ethyl ketone	.05	.75
<u>XX</u> Chloroacetylene	.15	.05	_____ Methyl isobutyl ketone	.05	.33
_____ Cresols (and cresylic acid)	2.32	.75	_____ Microoethylene	.56	.125
_____ Cyclohexanone	.125	.75	_____ Pyridine	1.12	.33
_____ 1,2 Dichlorobenzene	.65	.125	_____ Tetrachloroethylene	.079	.05
_____ Ethyl acetate	.05	.75	_____ Toluene	1.12	.33
_____ Ethylbenzene	.05	.053	_____ 1,1,1-Trichloroethane	1.05	.41
_____ Ethyl ether	.05	.75	_____ 1,1,2-Trichloro-		
_____ Isobutanol	5.0	5.0	_____ 1,2,2-Trifluoroethane	1.05	.56
_____ Methanol	.25	.75	_____ Trichloroethylene	.062	.091
			_____ Trichlorofluoroethane	.05	.96
			<u>XX</u> Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME ERIC S. KNAPP TITLE P.E.T./NYSDEC
 SIGNATURE Eric S. Knapp DATE 6/11/90

GENERATOR NAME NYS Dept. of Env. Conservation FRONTIER PRODUCT NO. 1251-748
 MANIFEST NO. NYB2835585 MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
<u>D043</u>	<u>Vinyl chloride</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
_____ Acetone	0.05	0.59	_____ Methylene Chloride	.20	.96
_____ n-Butyl Alcohol	5.0	5.0	_____ Methylene Chloride (pharmaceutical industry)	12.7	.96
_____ Carbon Disulfide	1.05	4.81	_____ Methyl ethyl ketone	.05	.75
_____ Carbon Tetrachloride	.05	.96	_____ Methyl isobutyl ketone	.05	.33
_____ Chlorobenzene	.15	.05	_____ Microbenzene	.66	.125
_____ Cresols (and cresylic acid)	2.32	.75	_____ Pyridine	1.12	.33
_____ Cyclohexanone	.125	.75	_____ Tetrachloroethylene	.079	.05
_____ 1,2 Dichlorobenzene	.65	.125	_____ Toluene	1.12	.33
_____ Ethyl acetate	.05	.75	_____ 1,1,1-Trichloroethane	1.05	.41
_____ Ethylbenzene	.05	.053	_____ 1,1,2-Trichloro-		
_____ Ethyl ether	.05	.75	_____ 1,2,2-Trichloroethane	1.05	.96
_____ Isobutanol	5.0	5.0	_____ Trichloroethylene	.062	.091
_____ Methanol	.25	.75	_____ Trichlorofluoroethane	.05	.96
			_____ XX Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

_____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C

_____ (b) A case-by-case extension under 40 CFR Part 268.5.

_____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME ERIC S. KNAPP TITLE PET. NYSPEL
 SIGNATURE Eric S. Knapp DATE 6/11/91

GENERATOR NAME NYS Dept Of Env. Conservation FRONTIER PRODUCT NO. 1251-748
 MANIFEST NO. NYB2835432 MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water _____ Non Waste Water XX (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	<u>standards have not been set</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): _____ F001 _____ F002 _____ F003 XXX F004 _____ F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
_____ Acetone	0.05	0.59	_____ Methylene Chloride	.20	.96
_____ n-Butyl Alcohol	5.0	5.0	_____ Methylene Chloride (pharmaceutical industry)	12.7	.96
_____ Carbon Disulfide	1.05	4.81	<u>XX</u> _____ Methyl ethyl ketone	.05	.75
_____ Carbon Tetrachloride	.05	.96	_____ Methyl isobutyl ketone	.05	.33
<u>XX</u> _____ Chlorobenzene	.15	.05	_____ Nitrobenzene	.56	.125
_____ Cresols (and cresylic acid)	2.32	.75	_____ Pyridine	1.12	.33
_____ Cyclohexanone	.125	.75	_____ Tetrachloroethylene	.079	.05
_____ 1,2 Dichlorobenzene	.65	.125	_____ Toluene	1.12	.33
_____ Ethyl acetate	.05	.75	_____ 1,1,1-Trichloroethane	1.05	.41
_____ Ethylbenzene	.05	.053	_____ 1,1,2-Trichloro-		
_____ Ethyl ether	.05	.75	_____ 1,2,2-Trichloroethane	1.05	.56
_____ Isobutanol	5.0	5.0	_____ Trichloroethylene	.062	.091
_____ Methanol	.25	.75	_____ Trichlorofluoroethane	.05	.96
			<u>XX</u> _____ Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (Tl) 130 ug/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Eric J. Knapp TITLE P.E.T. / NYS DEC
 SIGNATURE Eric J. Knapp DATE 6/11/91

NO.

100-100000000-001 WA-100000000-001

SECTION

DATE

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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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NYD000511659	Manifest Document No. 173353	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3 Generator's Name and Mailing Address RES-DEC 50 WOLF RD ALBANY, NY		12233-		A. State Manifest Document No. NY B 173353.5	
4. Generator's Phone (315 437-5677)				B. Generator's ID OSMCO, NY	
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		C. State Transporter's ID	
7. Transporter 2 (Company Name)		8. US EPA ID Number		D. Transporter's Phone ((315) 471-0503)	
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		E. State Transporter's ID	
				F. Transporter's Phone ()	
				G. State Facility's ID	
				H. Facility's Phone (716-285-8208)	
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (XYLENE, BENZENE) HAZARDOUS MATERIAL) UN3082 PG III		No. 001 Type T	6500	G	EPA D018, D043 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. LEACHATE, VINYL CHLORIDE		c	a	c	
b		d	b	d	
15 Special Handling Instructions and Additional Information HA. Code 1251-748		Job Number: 54711 Emergency Phone: (315) 471 - 0503			
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		Signature		Mo Day Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature		Mo Day Year	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Signature		Mo Day Year	
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	

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.

GENERATOR

TRANSPORTER

FACILITY

NY B 173353 5

1. The first part of the document is a list of the names of the members of the committee.

2. Introduction

The purpose of this report is to provide a comprehensive overview of the current state of the industry.

3. Methodology

The data for this report was collected through a series of interviews and surveys conducted over a period of six months.

The results of the research are presented in the following sections.

The first section discusses the current market conditions and the challenges faced by the industry.

The second section provides a detailed analysis of the key players in the market.

The third section examines the impact of recent regulatory changes on the industry.

The fourth section discusses the opportunities for growth and innovation in the industry.

The fifth section provides a summary of the findings and recommendations for the industry.

The sixth section discusses the implications of the findings for the industry and the government.

The seventh section provides a conclusion and a list of references.

The eighth section provides a list of appendices.

The ninth section provides a list of figures and tables.

The tenth section provides a list of footnotes.

The eleventh section provides a list of acknowledgments.

The twelfth section provides a list of contact information.

The thirteenth section provides a list of the authors.

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GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB1733580

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XXX Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl ketone	.05	.33
<u>XX</u> Chlorobenzene	<u>.15</u>	.05	Nitrobenzene	.66	.125
Cresols (and cresylic acid)	2.82	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Tetrafluoroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>yy</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. McNamee TITLE Senior Engineering Geologist
 SIGNATURE [Signature] DATE May 6, 1991

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165933580		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address MTS INC 50 WOLF RD ALBANY, NY 12233-		4. Generator's Phone (315) 437-5677		A. State Manifest Document No. NY B 173358-0		B. Generator's ID OSWEGO, NY			
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		C. State Transporter's ID (315) 471-0503		D. Transporter's Phone			
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 FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID		H. Facility's Phone 716-385-8208			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		No. Type		07279		G		EPA 0018, 0043 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. FOOD LEACHATE, VINYL CHLORIDE		c		a		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information 11A. Code 1251-740		Job Number: 84711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

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.

GENERATOR

TRANSPORTER

FACILITY

NY B 173358 0

1. Introduction
2. Methodology
3. Results
4. Discussion
5. Conclusion

6. Appendix
7. References

8. Acknowledgements
9. Contact Information

10. Author Biographies
11. Declaration of Interest

12. Funding Sources
13. Data Availability

14. Ethics Approval
15. Consent

16. Supplementary Materials
17. Correspondence

18. Copyright
19. Permissions

20. Disclaimer
21. Limitations

22. Future Research
23. Conclusions

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74. Permissions

75. Disclaimer
76. Limitations

77. Future Research
78. Conclusions

GENERATOR NAME NYS DEC

FRONTIER PRODUCT 1251-748

MANIFEST NO. NYB1733535

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water <u>XXX</u> Non Waste Water _____				(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).
EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)	
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>		
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>		

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.10. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
<u>XX</u> Carbon Tetrachloride	<u>.05</u>	.96	Methyl isobutyl ketone	.05	.33
Chlorobenzene	<u>.15</u>	.05	Microbenzene	.66	.125
Cresols (and cresylic acid)	2.32	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Trichloroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>yy</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.12 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

_____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C

_____ (b) A case-by-case extension under 40 CFR Part 268.5.

_____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert S. McNamee TITLE Senior Engineer/Geologist
SIGNATURE [Signature] DATE May 6, 1991

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD000051165933544		Manifest Document No 44		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address WYS DEC 50 WOLF RD ALBANY, NY 12233		A. State Manifest Document No. NY B 173354 4		B. Generator's ID ALBANY ST OSWEGO, NY		C. State Transporter's ID		D. Transporter's Phone (315) 471-0503	
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD990761191		E. State Transporter's ID		F. Transporter's Phone ()	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name Hazard Class and ID Number)		12. Containers		13. Total		14. Unit		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PGIII		No. Type		Quantity		Wt/Vol		EPA STATE	
		001TT065000		0487				EPA STATE 1018-0043	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above							
a. LEACHATE, VINYL CHLORIDE		a. <input type="checkbox"/>		b. <input type="checkbox"/>		c. <input type="checkbox"/>		d. <input type="checkbox"/>	
b.		c.		d.					
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: 84711		Emergency Phones: (315) 471 - 0503					
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		Signature		Mo Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo Day Year			
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			

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.

GENERATOR
TRANSPORTER
FACILITY

NY B 173354 4

Introduction

The following text discusses the importance of maintaining accurate records in a business setting. It highlights the benefits of using a systematic approach to data collection and analysis.

Methods Section

The data for this study was collected through a series of interviews with key personnel. The interviews were conducted in a structured manner, following a set of predetermined questions. The responses were then analyzed to identify common themes and trends.

The results of the analysis indicate that there is a strong correlation between the variables studied. This suggests that the factors being investigated are closely related and may have a significant impact on the overall outcome.

It is important to note that the study was limited to a specific time period and location. Further research is needed to confirm the findings and explore the broader implications of the results.

In conclusion, the study provides valuable insights into the relationship between the variables. The findings suggest that a more comprehensive approach to data collection and analysis is necessary for a deeper understanding of the subject matter.

The authors would like to thank the participants for their time and cooperation. The research was supported by the [Organization Name] and the [Funding Source].

References
[1] Smith, J. (2018). The Impact of Data Collection Methods on Business Performance. *Journal of Business Analytics*, 12(3), 45-60.

[2] Johnson, A. (2019). Structured Interviews: A Review of the Literature. *International Journal of Qualitative Methods*, 19(1), 1-15.

[3] Brown, C. (2020). The Role of Data Analysis in Business Decision Making. *Business Analytics Review*, 15(2), 78-92.

[4] Davis, E. (2021). Improving Data Collection Accuracy through Structured Interviews. *Journal of Business Research*, 115, 102-115.

[5] White, F. (2022). The Benefits of Systematic Data Collection in Business. *Business Process Management Journal*, 28(4), 567-580.

[6] Green, G. (2023). Data Collection and Analysis: A Comprehensive Guide for Business Professionals. *Business Analytics Handbook*, 101-120.

[7] Black, H. (2024). The Importance of Accurate Data in Business Operations. *Journal of Business Strategy*, 45(1), 23-35.

[8] Grey, I. (2025). Structured Interviews: A Practical Guide for Researchers. *Qualitative Research Methods*, 18(2), 101-115.

The following text discusses the importance of maintaining accurate records in a business setting. It highlights the benefits of using a systematic approach to data collection and analysis.

The data for this study was collected through a series of interviews with key personnel. The interviews were conducted in a structured manner, following a set of predetermined questions. The responses were then analyzed to identify common themes and trends.

The results of the analysis indicate that there is a strong correlation between the variables studied. This suggests that the factors being investigated are closely related and may have a significant impact on the overall outcome.

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In conclusion, the study provides valuable insights into the relationship between the variables. The findings suggest that a more comprehensive approach to data collection and analysis is necessary for a deeper understanding of the subject matter.

The authors would like to thank the participants for their time and cooperation. The research was supported by the [Organization Name] and the [Funding Source].

References
[1] Smith, J. (2018). The Impact of Data Collection Methods on Business Performance. *Journal of Business Analytics*, 12(3), 45-60.

[2] Johnson, A. (2019). Structured Interviews: A Review of the Literature. *International Journal of Qualitative Methods*, 19(1), 1-15.

[3] Brown, C. (2020). The Role of Data Analysis in Business Decision Making. *Business Analytics Review*, 15(2), 78-92.

[4] Davis, E. (2021). Improving Data Collection Accuracy through Structured Interviews. *Journal of Business Research*, 115, 102-115.

[5] White, F. (2022). The Benefits of Systematic Data Collection in Business. *Business Process Management Journal*, 28(4), 567-580.

[6] Green, G. (2023). Data Collection and Analysis: A Comprehensive Guide for Business Professionals. *Business Analytics Handbook*, 101-120.

[7] Black, H. (2024). The Importance of Accurate Data in Business Operations. *Journal of Business Strategy*, 45(1), 23-35.

[8] Grey, I. (2025). Structured Interviews: A Practical Guide for Researchers. *Qualitative Research Methods*, 18(2), 101-115.

GENERATOR NAME NYS DEC

FRONTIER PRODUCT 1251-748

MANIFEST NO. NYB1733544

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water <u>XXX</u> Non Waste Water _____		(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).	
EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
<u>XX</u> Carbon Tetrachloride	<u>.05</u>	.96	Methyl isobutyl ketone	.05	.33
Chlorobenzene	<u>.15</u>	.05	Nitrobenzene	.66	.125
Cresols (and cresylic acid)	2.92	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Trichloroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>XX</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

 Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

 Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (ni) 134 mg/l Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. Montador TITLE Sr. Chief Geologist
 SIGNATURE [Signature] DATE May 7, 1991



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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD000051165933553		Manifest Document No. 3		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY 12233-		A. State Manifest Document No. NY B 173355 3		B. Generator's ID L. BRACK ET ONEGO, NY		C. State Transporter's ID		D. Transporter's Phone (315) 471-0503	
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		E. State Transporter's ID		F. Transporter's Phone ()	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address PROMPTER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, H.O.S. (XYLENE, BENZENE) HAZARDOUS MATERIAL) UN3082		No. Type 9 01 FT		05231		G		EPA 6018, 6043 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. <input type="checkbox"/>		c. <input type="checkbox"/>			
a. LEACHATE, VINYL CHLORIDE		b. <input type="checkbox"/>		d. <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information HA. Code 1251-748		Job Number: 84711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo		Day Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo		Day Year	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo		Day Year	
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	

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.

GENERATOR
TRANSPORTER
FACILITY

NY B173355 3

GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO 1251-748

MANIFEST NO. NYB1733553

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water <u>XXX</u> Non Waste Water _____		(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).	
EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	XX Methyl ethyl ketone	.05	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl ketone	.05	.33
XX Chlorobenzene	.15	.05	Microbenzene	.66	.125
Cresols (and cresylic acid)	2.82	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Tetrafluoroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			XX Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

Nickel (ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 263, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A non-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. McNamee TITLE Sr. Engrg. Geologist
 SIGNATURE [Signature] DATE May 7, 1991

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 9-30-91

Please print or type. Do not Staple

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD0005116593952		Manifest Document No 52		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYE INC 50 WOLF RD ALBANY, NY		4. Generator's Phone (315) 437-5677		12233-		A. State Manifest Document No. NY B 173356-2		B. Generator's ID 00000, NY	
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		C. State Transporter's ID (315) 471-0503		D. Transporter's Phone (315) 471-0503		E. State Transporter's ID	
7. Transporter 2 (Company Name)		8. US EPA ID Number		F. Transporter's Phone ()		G. State Facility's ID		H. Facility's Phone	
9. Designated Facility Name and Site Address PROMPTER CHEMICAL WASTE 4626 NOTAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		716-265-8208		I. Waste No. EPA 0018, 0043 STATE		EPA STATE	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		12. Containers No. Type 001 TT		13. Total Quantity 06500		14. Unit Wt/Vol G		EPA STATE	
J. Additional Descriptions for Materials Listed Above LEACHATE, VINYL CHLORIDE		K. Handling Codes for Wastes Listed Above 002		a <input type="checkbox"/>		c <input type="checkbox"/>		EPA STATE	
b <input type="checkbox"/>		d <input type="checkbox"/>		b <input type="checkbox"/>		d <input type="checkbox"/>		EPA STATE	
15. Special Handling Instructions and Additional Information Em. Code 1251-748		Job Number: 84711		Emergency Phones: (315) 471 - 0503		EPA STATE		EPA STATE	
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		Signature		Mo. Day Year		EPA STATE	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year		EPA STATE	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year		EPA STATE	
19. Discrepancy Indication Space		Printed/Typed Name		Signature		Mo. Day Year		EPA STATE	
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		EPA STATE	

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.

NY B 173356 2

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GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB1733562

MANIFEST LINE NO. 11a. (11a,11b,11c,11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XXX Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride	12.7	.96
Carbon Disulfide	1.05	4.91	(pharmaceutical industry)		
Carbon Tetrachloride	.05	.96	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
<u>XX</u> Chlorobenzene	<u>.15</u>	.05	Methyl isobutyl ketone	.05	.33
Cresols (and cresylic acid)	2.92	.75	Microbenzene	.66	.125
Cyclohexanone	.125	.75	Pyridine	1.12	.33
1,2 Dichlorobenzene	.65	.125	Tetrachloroethylene	.079	.05
Ethyl acetate	.05	.75	Toluene	1.12	.33
Ethylbenzene	.05	.053	1,1,1-Trichloroethane	1.05	.41
Ethyl ether	.05	.75	1,1,2-Trichloro-		
Isobutanol	5.0	5.0	1,2,2-Tetrafluoroethane	1.05	.96
Methanol	.25	.75	Trichloroethylene	.062	.091
			Trichlorofluoroethane	.05	.96
			<u>XY</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

- _____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.
- _____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:
 - _____ Nickel (ni) 134 mg/l
 - _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert Joseph Neuman TITLE Sr Engrg. Geologist
 SIGNATURE [Signature] DATE 5/5/91

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051163933582		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 ETS INC 50 WOLF RD ALBANY, NY		12233-		A. State Manifest Document No. NY B 173357-1		B. Generator's ID 12233-1		C. State Transporter's ID	
4. Generator's Phone (315) 437-5677		5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		D. Transporter's Phone (315) 471-0503		E. State Transporter's ID	
7. Transporter 2 (Company Name)		8. US EPA ID Number		F. Transporter's Phone ()		G. State Facility's ID		H. Facility's Phone	
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID		H. Facility's Phone (716) 285-8208			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (KYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		No. Type 001TT		06500		G		EPA STATE 0018, 0043	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above							
a. POUR LEACHATE, VINYL CHLORIDE		c		a		c			
b.		d		b		d			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: 54711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo. Day Year			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

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.

GENERATOR
TRANSPORTER
FACILITY

NY B173357 1

1. Introduction

2. Methodology

3. Results and Discussion

4. Conclusion

5. References

6. Appendix

7. Acknowledgements

8. Contact Information

9. Author Biographies

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GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB1733571

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water <u>XXX</u> Non Waste Water _____			(EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).
EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.81	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl Ketone	.05	.33
<u>XX</u> Chlorobenzene	<u>.15</u>	.05	Nitrobenzene	.66	.125
Cresols (and cresylic acid)	2.92	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Tetrifluoroethane	1.05	.56
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>XX</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. McNamee TITLE Sr. Engr. Geologist
SIGNATURE [Signature] DATE 1/8/91

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYD00051165933623		Manifest Document No 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY		6. US EPA ID Number NYD980761191		A. State Manifest Document No. NY B 173362 5		B. Generator's ID No. 173362 5		C. State Transporter's ID	
4. Generator's Phone (315) 437-5677		7. Transporter 2 (Company Name)		D. Transporter's Phone (315) 471-0503		E. State Transporter's ID		F. Transporter's Phone ()	
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		8. US EPA ID Number		G. State Facility's ID		H. Facility's Phone (716) 285-8308		I. Waste No.	
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 NOTAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, H.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		No. 001		Type T		Quantity 06500		Unit G	
b.								EPA STATE 0018, 0043	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above							
a. LEACHATE, VINYL CHLORIDE		c		a		c			
b.		d		b		d			
15. Special Handling Instructions and Additional Information HA. Code 1251-749		Job Number: 34711		Emergency Phone: (315) 471 - 0503					
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		Signature		Mo		Day	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo		Day	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo		Day	
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	

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.

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GENERATOR NAME NYS DEC

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB1733634

MANIFEST LINE NO. 11a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XXX Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.10. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 XXX F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.91	XX Methyl ethyl ketone	.05	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl ketone	.05	.33
XX Chlorobenzene	.15	.05	Microbenzene	.66	.125
Cresols (and cresylic acid)	2.92	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.051	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Tetrafluoroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			XX Xylene	.05	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

_____ Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

_____ Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

_____ Nickel (ni) 134 mg/l _____ Thallium (TI) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- _____ (a) A nationwide capacity under 40 CFR Part 263, Subpart C
- _____ (b) A case-by-case extension under 40 CFR Part 268.5.
- _____ (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. McNamee TITLE Sr. Engrg. Geologist
 SIGNATURE [Signature] DATE 5/9/19

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD00051165999834	Manifest Document No. 173363	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address 50 WOLF RD ALBANY, NY 12233-		A. State Manifest Document No. NY B 173363		B. Generator's ID COMCO, NY	
4. Generator's Phone 315 437-5677		C. State Transporter's ID (315) 471-0503		D. Transporter's Phone	
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		6. US EPA ID Number NYD980761191		E. State Transporter's ID	
7. Transporter 2 (Company Name)		8. US EPA ID Number		F. Transporter's Phone ()	
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID	
				H. Facility's Phone (716) 285-8308	
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PGIII	001TT06500	G	G	EPA 5018.D043 STATE
	b.				EPA STATE
	c.				EPA STATE
	d.				EPA STATE
J. Additional Descriptions for Materials Listed Above		K. Hazard Codes for Wastes Listed Above			
a. LEACHATE, VINYL CHLORIDE	c	a	<input type="checkbox"/>	c	<input type="checkbox"/>
b	d	b	<input type="checkbox"/>	d	<input type="checkbox"/>
15. Special Handling Instructions and Additional Information EPA CODE 1251-748		Job Number: 84711 Emergency Phone: (315) 471 - 0503			
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		Signature		Mo Day Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name		Signature		Mo Day Year	
18. Transporter 2 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name		Signature		Mo Day Year	
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	

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.

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1. Introduction

2. Methodology

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2.3. Results

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3.1. Summary

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3.92. List of Initials

GENERATOR NAME NYS DEC
 MANIFEST NO. NYB1733625

FRONTIER PRODUCT NO. 1251-748
 MANIFEST LINE NO. 11a. (11a,11b,11c,11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemical Waste Process Inc. In accordance with the requirements of 40 CFR 268.7, I have determined that the waste described above is a restricted waste as defined in 40 CFR 268. I have indicated below the appropriate management required to comply with the prohibitions on land disposal for this waste.

TREATABILITY GROUP: (Check one) Waste Water XXX Non Waste Water _____ (EPA defines waste waters as wastes that contain less than 1% total organic carbon (TOC) and less than 1% total suspended solids).

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH CODE (268.42)
<u>D018</u>	<u>benzene</u>	<u>Standards have not been set</u>	
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been set</u>	

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): FO01 FO02 FO03 XXXFO04 FO05

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
Acetone	0.05	0.59	Methylene Chloride	.20	.96
n-Butyl Alcohol	5.0	5.0	Methylene Chloride (pharmaceutical industry)	12.7	.96
Carbon Disulfide	1.05	4.91	<u>XX</u> Methyl ethyl ketone	<u>.05</u>	.75
Carbon Tetrachloride	.05	.96	Methyl isobutyl Ketone	.05	.33
<u>XX</u> Chlorobenzene	<u>.15</u>	.05	Microbenzene	.66	.125
Cresols (and cresylic acid)	2.92	.75	Pyridine	1.12	.33
Cyclohexanone	.125	.75	Tetrachloroethylene	.079	.05
1,2 Dichlorobenzene	.65	.125	Toluene	1.12	.33
Ethyl acetate	.05	.75	1,1,1-Trichloroethane	1.05	.41
Ethylbenzene	.05	.053	1,1,2-Trichloro-		
Ethyl ether	.05	.75	1,2,2-Trichloroethane	1.05	.96
Isobutanol	5.0	5.0	Trichloroethylene	.062	.091
Methanol	.25	.75	Trichlorofluoroethane	.05	.96
			<u>YY</u> Xylene	<u>.05</u>	.15

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

- Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.
- Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:
 - Nickel (ni) 134 mg/l
 - Thallium (Tl) 130 mg/l

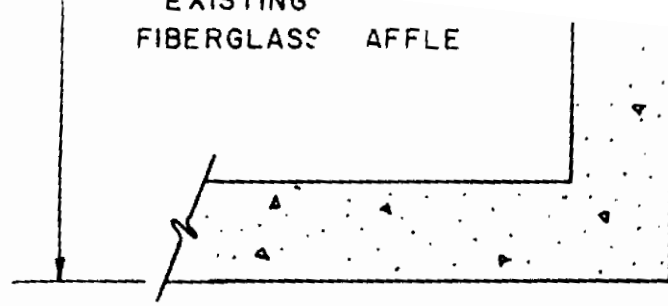
EXTENSION, PETITION, OR VARIANCE

- The waste identified above is subject to:
- (a) A nationwide capacity under 40 CFR Part 263, Subpart C
 - (b) A case-by-case extension under 40 CFR Part 268.5.
 - (c) A no-migration petition under 40 CFR Part 268.6.

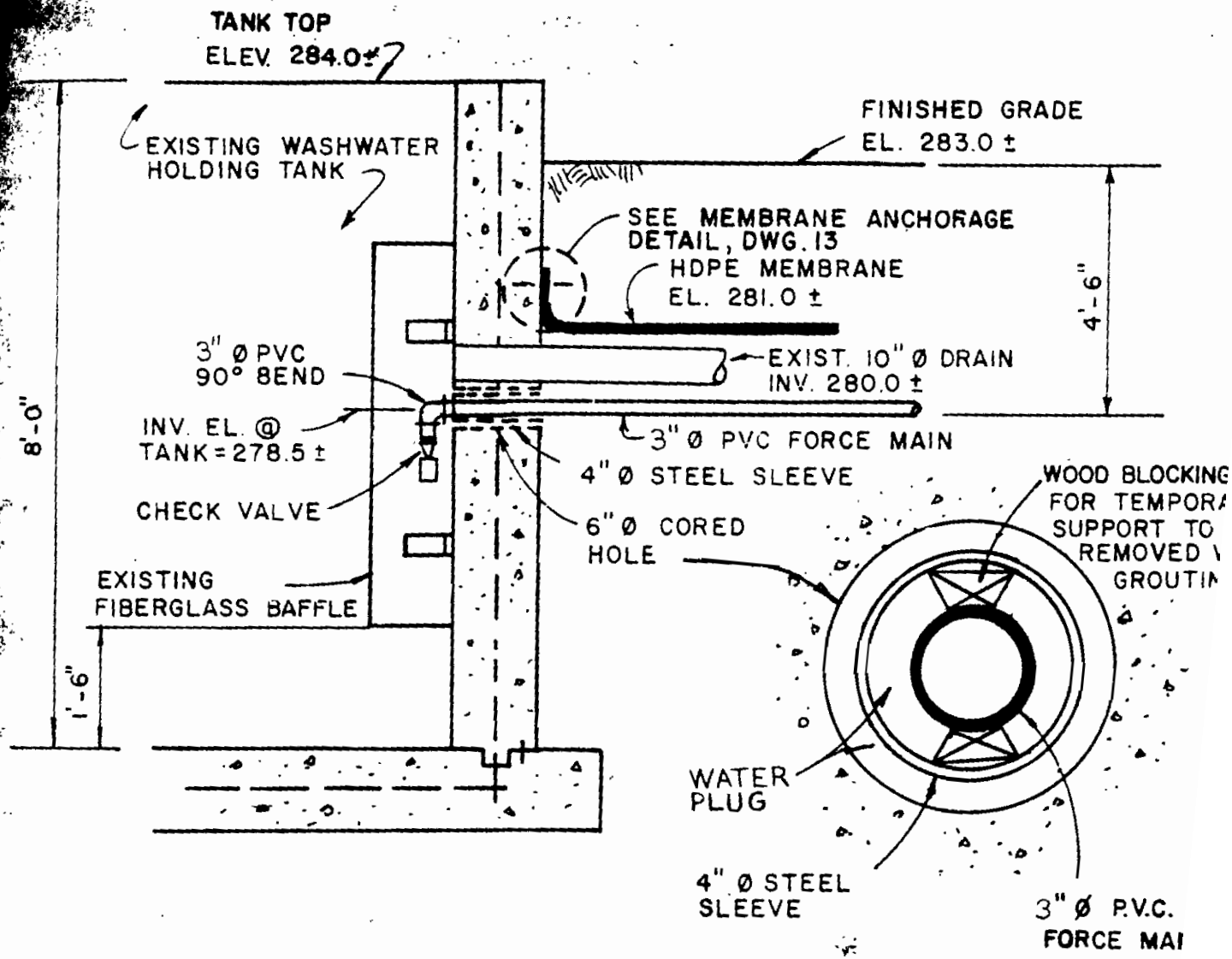
The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Robert J. Montemery TITLE Sr. Engr. Geologist
 SIGNATURE [Signature] DATE 5/9/91



PLAN



FORCE MAIN CONNECTION TO EXISTING WASHWATER HOLDING TANK

NO. SCALE

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

FAX MEMO
 # PAGES 4 DATE 5/10/99 FAX # 716-857-2545
 TO D. Tye 11'rs.
 FROM A. K. Gupta
 CO. _____
 FAX # _____

Date: May 6, 1999
 Name of Contractor: Environmental Products Services
 Destination: Frontier Chemical, Niagara Falls

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	0545	-3' 1/2"	NOON 1015 0745	1030 1115 0800	1645	-11' 0"	Turned on to keep up with truck pumping.
LCW-2	0540	-5' 4"	0615	1015	1642	-13' 0"	Pump stopped, won't restart
LCW-3	0535	-15' 2 1/2"	1115	NOON	1640	-16' 10 1/2"	Well dried up.
LCW-4	0530	-14' 4 3/4"	—	—	1635	-14' 4"	Not pumped. GW cut'n trench.
Tank	0520	-6' 4 1/2"			1630	-15"	Switch cut'n trench

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
Tank	—	—	—	—	0635	0800	13000 gals

Remarks: Pumping to tank started after LCW pump was turned off. Tank was filling as trucks were being filled.

By: R. McNamee

Firm: NYSDEC

Telephone #: 519/457-5677

MEMORANDUM

TO : SAC, [illegible]

FROM : [illegible]

SUBJECT: [illegible]

DATE: [illegible]

BY: [illegible]

APPROVED: [illegible]

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: May 7, 1991
 Name of Contractor: Environmental Products + Services, Inc.
 Destination: Frontier Chemical, Niagara Falls, NY

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1							
LCW-2							
LCW-3							
LCW-4							
Tank							

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume
	Time	Level	Time	Level	Start	Stop	Pumped
Tank	0600	-24"	0712	-45 3/4"	0619	0712	10,000 gals ±

Remarks: Haulers said yesterday's loads were heavy
so they pumped less today.

By: R. McNamee

Firm: NYSDDEC

Telephone #: 578-457-5677

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: May 8, 1991
 Name of Contractor: Environmental Prods. & Serv., Inc
 Destination: Frontier Chemical, N.F.

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1	0712	-8'7"	0940	1017	1820	-8'9 1/2"	
LCW-2	0710	-10'10"	—————		1824	-11' 1/2"	
LCW-3	0707	-16' 1/4"	0945	1015	1827	-17' 7/8"	
LCW-4	0600	-14' 4 3/4"	—————		1831	-14' 4 3/4"	
Tank	0717	N-47" S-86 1/4"			1834	N-47" S-74"	

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
Tank	0555	N-47" S-51 1/2"	0717	N-47" S-86 1/4"	0620	0653	11,300 [±] gals

Remarks: North end not pumped today. Barrier in tank at approximately 8' from north end of tank. After pumping to tank, added more leachate from truck.

By: R. McNamee

Firm: NYSDEC

Telephone #: 518-457-5677

LEACHATE DISPOSAL RECORD

Pollution Abatement Services

Date: 5/9/91
 Name of Contractor: Environmental Prods + Serv., Inc.
 Destination: Frontier Chemical, N.Y.

Pumping Record from Wells to Tank

Well	Before Pumping		Pumping		After Pumping		Notes
	Time	Level	Time Start	Time Stop	Time	Level	
LCW-1							
LCW-2							
LCW-3							
LCW-4							
Tank							

Pumping from Tank to Disposal Truck

	Before Pumping		After Pumping		Pumping		Volume Pumped
	Time	Level	Time	Level	Start	Stop	
Tank	0600	N- 47" S- 73"	0800	N- 92" S- 92"	0620	0755	11,000 [±] gals

Remarks: North end had 3"± of leachate + sludge left
South end had 2 1/2" of leachate left

By: R. McNamara

Firm: NYSDEC

Telephone #: 518/457-5677

5452-258-91L -

59269



Copy to D. Pyers for Inf.

New York State Department of Environmental Conservation

MEMORANDUM

TO: Bob Knizek, Jim Van Hoesen; Jerry Rider, Tom Vickerson
FROM: Al Rockmore *Al Rockmore*
SUBJECT: Manifest

DATE: **MAY 28 1991**

On projects where there is no known responsible party, the Department, for disposal and manifest purposes, becomes the generator of the wastes. When these manifests are received by the Division of Hazardous Substance Regulation they send the appropriate information to the Department of Taxation and Finance and shortly thereafter the DEC employee who signed the manifest will get a notice demanding payment of the Hazardous Waste Special Assessment tax. Tom Vickerson thru Charlie Goddard has been trying to get a formal government exception for these wastes, without success. Therefore, effective immediately, all manifests for non-PRP actions should be made out as follows:

Block 3: Generator's Name and Address:

NYSDEC (name of the project) TAX EXEMPT
50 Wolf Road, Room 208
Albany, NY 12233-7010 ATTN: (Project Manager)

Block 4: Generator's Phone:

(518)457-9280

Block 16: Generator's Certification:

Above the Name/Signature block, in the space after the last sentence, print the following:

TAX EXEMPT - for manifest purposes only

Print and sign you name as indicated.

Hopefully, until such time as we get formal exemption, this will allow us to get waivers.

Tom Vickerson is available for guidance on the above.

*Tank Cleanout
Waste water*

GENERATOR NAME NYS DEC -E. SENCECA ST

FRONTIER PRODUCT NO. 1251-748

MANIFEST NO. NYB1733508

MANIFEST LINE NO. 11 a. (11a, 11b, 11c, 11d)

(First Third, Second Third, Third Third)

I am supplying this notice and certification to Frontier Chemicals in accordance with the requirements of 40 CFR 268.7. I have determined above is a restricted waste as defined in 40 CFR 268. I have indicated management required to comply with the prohibitions on land disposal.

*AK:
Original for
filing.*

TREATABILITY GROUP: (Check one) Waste Water Non Waste Water

EPA HAZ WASTE NO.	SUBCATEGORY	40 CFR REF CODE	TECH C (268.4)
<u>D018</u>	<u>benzene</u>	<u>standards have not been</u>	<u>set</u>
<u>D043</u>	<u>vinyl chloride</u>	<u>standards have not been</u>	<u>set</u>

Dharma

total suspended solids

SPENT SOLVENTS

The solvents identified below are restricted from landfill under 40 CFR 261.30. You should be aware that the residue from the treatment of this material may not be landfilled unless the concentration is below the applicable treatment standard.

EPA Hazardous Waste Number(s): F001 F002 F003 F004 F005

The following materials are contained in the waste stream:

Material	Treatment Standard (mg/l)		Material	Treatment Standard (mg/l)	
	Wastewater	Other		Wastewater	Other
<u>Acetone</u>	<u>0.05</u>	<u>0.59</u>	<u>Methylene Chloride</u>	<u>.20</u>	<u>.96</u>
<u>n-Butyl Alcohol</u>	<u>5.0</u>	<u>5.0</u>	<u>Methylene Chloride (pharmaceutical industry)</u>	<u>12.7</u>	<u>.96</u>
<u>Carbon Disulfide</u>	<u>1.05</u>	<u>4.81</u>	<u>Methyl ethyl ketone</u>	<u>.05</u>	<u>.75</u>
<u>Carbon Tetrachloride</u>	<u>.05</u>	<u>.96</u>	<u>Methyl isobutyl ketone</u>	<u>.05</u>	<u>.33</u>
<u>Chlorobenzene</u>	<u>.15</u>	<u>.05</u>	<u>Microbenzene</u>	<u>.86</u>	<u>.125</u>
<u>Cresols (and cresylic acid)</u>	<u>2.92</u>	<u>.75</u>	<u>Pyridine</u>	<u>1.12</u>	<u>.33</u>
<u>Cyclohexanone</u>	<u>.125</u>	<u>.75</u>	<u>Tetrachloroethylene</u>	<u>.079</u>	<u>.05</u>
<u>1,2 Dichlorobenzene</u>	<u>.65</u>	<u>.125</u>	<u>Toluene</u>	<u>1.12</u>	<u>.33</u>
<u>Ethyl acetate</u>	<u>.05</u>	<u>.75</u>	<u>1,1,1-Trichloroethane</u>	<u>1.05</u>	<u>.41</u>
<u>Ethylbenzene</u>	<u>.05</u>	<u>.053</u>	<u>1,1,2-Trichloro-</u>		
<u>Ethyl ether</u>	<u>.05</u>	<u>.75</u>	<u>1,2,2-Tetrafluoroethane</u>	<u>1.05</u>	<u>.96</u>
<u>Isobutanol</u>	<u>5.0</u>	<u>5.0</u>	<u>Trichloroethylene</u>	<u>.062</u>	<u>.091</u>
<u>Methanol</u>	<u>.25</u>	<u>.75</u>	<u>Trichlorofluoroethane</u>	<u>.05</u>	<u>.96</u>
			<u>XX Xylene</u>	<u>.05</u>	<u>.96</u>

CALIFORNIA LIST

This shipment contains waste restricted from land disposal under 40 CFR 268.32 (California List). You should be aware that the residues from the treatment of this material may not be landfilled unless the residues comply with the applicable prohibitions.

Hazardous waste that contains halogenated-organic compounds (HOCs) in total concentration greater than or equal to 1000 mg/l.

Liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following metals or compounds of these metals at concentrations greater than or equal to those specified below:

 Nickel (ni) 134 mg/l Thallium (Tl) 130 mg/l

EXTENSION, PETITION, OR VARIANCE

The waste identified above is subject to:

- (a) A nationwide capacity under 40 CFR Part 268, Subpart C
- (b) A case-by-case extension under 40 CFR Part 268.5.
- (c) A no-migration petition under 40 CFR Part 268.6.

The variance, extension, or petition applicable to the material described above expires on the following date: _____

I hereby certify that all information above, and attached, is complete and accurate to the best of my knowledge and ability to determine that no omissions or errors exist.

NAME Thomas Knickerbocker for DEC TITLE Environmental Scientist
SIGNATURE Thomas Knickerbocker DATE 5/15/91

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No NYDP00001165993508		Manifest Document No. 3508		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY 12233-		A. State Manifest Document No. NY B 173350 8		B. Generator's ID E. SENECA ST OSWEGO, NY		C. State Transporter's ID PD 912		D. Transporter's Phone (315) 471-0503	
4. Generator's Phone (315) 437-5677		E. US EPA ID Number NYDP0000761191		F. US EPA ID Number		E. State Transporter's ID PD 912		F. Transporter's Phone ()	
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS & SERVICES, INC		G. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		H. US EPA ID Number NYDP043815703		G. State Facility's ID	
7. Transporter 2 (Company Name)		I. US EPA ID Number		H. Facility's Phone 716-285-8208		12. Containers		13. Total Quantity	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		No.		Type		Unit Wt/Vol		I. Waste No.	
a. RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		001		RTD		2000		0018, D043 STATE	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above P004		K. Handling Codes for Wastes Listed Above 082 T		a		c			
a. LEACHATE, VINYL CHLORIDE		c							
b		d		b		d			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: S4711		Emergency Phone: (315) 471 - 0503					
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 Thomas Kuckelbaker DEC		Signature <i>Thomas Kuckelbaker</i>		Mo. Day Year 12 15 91					
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name Mark White		Signature <i>Mark White</i>		Mo. Day Year 12 15 91			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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					

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

GENERATOR

TRANSPORTER

FACILITY

NY B 173350 8

General Information
Name of generator: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____
Name of TSD facility: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____

Distribution
Number of copies of this manifest to be prepared: _____
Number of copies to be retained by generator: _____
Number of copies to be retained by TSD facility: _____
Number of copies to be retained by State: _____
Number of copies to be retained by EPA: _____
Number of copies to be retained by other: _____

Generator Section
Item 1-Enter the US EPA ID number (twelve digit) for each manifest as the manifest is prepared.
Item 2-If continuation sheet is used, please complete manifest for New York manifest only. The date of completion of this manifest must be in Item 1 of each continuation sheet.
Items 3 and 4-Explanatory. These must be completed for each waste stream.
Items 5, 6, 7 and 8-These are self-explanatory. If you need more copies of this manifest form, contact the State Office.
Items 9-11-For the designated TSD facility.
NOTE: If you are a generator, you are a twelve digit EPA ID number.
NOTE: Only New York State authorized handlers are permitted to transport waste in New York State. The generator must obtain a permit for authorization.

Item 12-If you are a generator, you must be a twelve digit EPA ID number.
Item 13-If you are a transporter, you must be a twelve digit EPA ID number.
Item 14-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 15-If you are a generator, you must be a twelve digit EPA ID number.
Item 16-If you are a generator, you must be a twelve digit EPA ID number.
Item 17-If you are a generator, you must be a twelve digit EPA ID number.
Item 18-If you are a generator, you must be a twelve digit EPA ID number.

Item 19-If you are a generator, you must be a twelve digit EPA ID number.
Item 20-If you are a generator, you must be a twelve digit EPA ID number.
Item 21-If you are a generator, you must be a twelve digit EPA ID number.
Item 22-If you are a generator, you must be a twelve digit EPA ID number.
Item 23-If you are a generator, you must be a twelve digit EPA ID number.
Item 24-If you are a generator, you must be a twelve digit EPA ID number.
Item 25-If you are a generator, you must be a twelve digit EPA ID number.
Item 26-If you are a generator, you must be a twelve digit EPA ID number.
Item 27-If you are a generator, you must be a twelve digit EPA ID number.
Item 28-If you are a generator, you must be a twelve digit EPA ID number.
Item 29-If you are a generator, you must be a twelve digit EPA ID number.
Item 30-If you are a generator, you must be a twelve digit EPA ID number.

NEW YORK STATE REQUIRES THE ADDITIONAL INFORMATION

Item 31-If you are a generator, you must be a twelve digit EPA ID number.
Item 32-If you are a generator, you must be a twelve digit EPA ID number.
Item 33-If you are a generator, you must be a twelve digit EPA ID number.
Item 34-If you are a generator, you must be a twelve digit EPA ID number.
Item 35-If you are a generator, you must be a twelve digit EPA ID number.
Item 36-If you are a generator, you must be a twelve digit EPA ID number.
Item 37-If you are a generator, you must be a twelve digit EPA ID number.
Item 38-If you are a generator, you must be a twelve digit EPA ID number.
Item 39-If you are a generator, you must be a twelve digit EPA ID number.
Item 40-If you are a generator, you must be a twelve digit EPA ID number.
Item 41-If you are a generator, you must be a twelve digit EPA ID number.
Item 42-If you are a generator, you must be a twelve digit EPA ID number.
Item 43-If you are a generator, you must be a twelve digit EPA ID number.
Item 44-If you are a generator, you must be a twelve digit EPA ID number.
Item 45-If you are a generator, you must be a twelve digit EPA ID number.
Item 46-If you are a generator, you must be a twelve digit EPA ID number.
Item 47-If you are a generator, you must be a twelve digit EPA ID number.
Item 48-If you are a generator, you must be a twelve digit EPA ID number.
Item 49-If you are a generator, you must be a twelve digit EPA ID number.
Item 50-If you are a generator, you must be a twelve digit EPA ID number.

Transporter Section
Item 51-If you are a transporter, you must be a twelve digit EPA ID number.
Item 52-If you are a transporter, you must be a twelve digit EPA ID number.
Item 53-If you are a transporter, you must be a twelve digit EPA ID number.
Item 54-If you are a transporter, you must be a twelve digit EPA ID number.
Item 55-If you are a transporter, you must be a twelve digit EPA ID number.
Item 56-If you are a transporter, you must be a twelve digit EPA ID number.
Item 57-If you are a transporter, you must be a twelve digit EPA ID number.
Item 58-If you are a transporter, you must be a twelve digit EPA ID number.
Item 59-If you are a transporter, you must be a twelve digit EPA ID number.
Item 60-If you are a transporter, you must be a twelve digit EPA ID number.

TSD Facility Section
Item 61-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 62-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 63-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 64-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 65-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 66-If you are a TSD facility, you must be a twelve digit EPA ID number.
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Item 68-If you are a TSD facility, you must be a twelve digit EPA ID number.
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Item 70-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 71-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 72-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 73-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 74-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 75-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 76-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 77-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 78-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 79-If you are a TSD facility, you must be a twelve digit EPA ID number.
Item 80-If you are a TSD facility, you must be a twelve digit EPA ID number.

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD000031155933508		Manifest Document No. 8		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law	
3. Generator's Name and Mailing Address NYS DEC 50 WOLF RD ALBANY, NY 12233-		4. Generator's Phone (315) 437-5677		A. State Manifest Document No. NY B 173350 8		B. Generator's ID# SENeca ST OSWEGO, NY			
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS&SERVICES, INC		6. US EPA ID Number NYD980761191		C. State Transporter's ID PD1912		D. Transporter's Phone (315) 471-0503			
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID PD1912		F. Transporter's Phone ()			
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4626 ROYAL AVENUE NIAGARA FALLS, NY 14303		10. US EPA ID Number NYD043815703		G. State Facility's ID		H. Facility's Phone (716-285-8208)			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit		I. Waste No.	
a. RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III		No. 001 Type TTO		2000		G		EPA D018, D043 STATE	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above FO04		K. Handling Codes for Wastes Listed Above 082 T		a		c			
a. LEACHATE, VINYL CHLORIDE		c		a		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information 11a. Code 1251-748		Job Number: S4711		Emergency Phone: (315) 471 - 0503					
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 <i>Kenneth Lockwood DEC</i>		Signature <i>Kenneth Lockwood</i>		Mo. Day Year <i>12/11/91</i>			
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name <i>Mick W. H.</i>		Signature <i>Mick W. H.</i>		Mo. Day Year <i>12/11/91</i>			
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name		Signature		Mo. Day Year			
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			

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

NY B 173350 8

Generator Section

1. This form is to be completed by the generator of hazardous waste. It is to be used for all hazardous waste transported to a TSD facility in New York State. It is to be used for all hazardous waste transported to a TSD facility in another state. It is to be used for all hazardous waste transported to a TSD facility in another country. It is to be used for all hazardous waste transported to a TSD facility in another country.

Distribution

2. This form is to be completed by the generator of hazardous waste. It is to be used for all hazardous waste transported to a TSD facility in New York State. It is to be used for all hazardous waste transported to a TSD facility in another state. It is to be used for all hazardous waste transported to a TSD facility in another country. It is to be used for all hazardous waste transported to a TSD facility in another country.

Generator Section

Item 1: Enter name of EPA ID number (twelve digit number) of TSD facility to which waste is being transported. Assign a sequential number to each container of waste on the manifest.

Item 2: If a continuation sheet is used, please print the number of this sheet and the total number of sheets. A continuation sheet may be used, but diligent completion must meet New York manifest requirements. The continuation sheet must be placed in Item L of each continuation sheet.

Item 3 and 4: Self-Explanatory. These must be completed for each container of waste.

Items 5, 6, 7 and 8: In general, a TSD facility is required to accept hazardous waste. However, there are some exceptions. See the instructions for more information.

Items 9 and 10: For each container, TSD facility is required to accept hazardous waste.

NOTE: If a TSD facility is a twelve digit number, it is a TSD facility. If it is a nine digit number, it is a TSD facility.

NOTE: If a TSD facility is a nine digit number, it is a TSD facility. If it is a twelve digit number, it is a TSD facility.

Item 11: If a TSD facility is a nine digit number, it is a TSD facility. If it is a twelve digit number, it is a TSD facility. Contact USDOT office for more information.

Item 12

Table with 2 columns: Number of containers and Reporting burden. Rows include DM-Metal drums, DW-Wooden drums, GE-Empty gas cylinders, TT-Tank cars, TP-Tank trucks, TC-Tank cars, DI-Dump trucks, CY-Cybercars, CM-Metal drums, CW-Wooden drums, CT-Empty tank cars, and EA-Empty electric power lines.

Item 13: A container number is assigned in box 14. (Do not use fractions or decimals.)

Item 14: Units (weight)

Table with 2 columns: Units and Abbreviations. Rows include G-Grams, P-Pounds, T-Tons (2,000 pounds), Y-Cubic Yards, L-Liters (quicks only), K-Kilograms, M-Metric Tons (1,000 kilograms), and N-Cubic Meters.

Item 15: Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate facility is designated, note it here. For international shipments, enter point of departure. Emergency response telephone numbers, or similar information may be included here.

Item 16: Authorized agent of the generator must read and then sign (by hand) and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

- Item A: This form is printed by New York State Department of Environmental Conservation (NYSDEC).
Item B: Enter site address if different from mailing address. Print name with address.
Item C: Enter State of registration and motor vehicle license plate number of waste transporter.
Item D and E: Telephone number of authorized agent.
Item G: Entry required by NYSDEC.
Item H: Telephone number at site of TSD facility.
Item I: Use a four digit waste number (letter and three digits) as assigned by Part 371 or 401 of 251 must be used to identify hazardous waste.
Item J: Use a four digit waste number (letter and three digits) as assigned by Part 371 or 401 of 251 must be used to identify hazardous waste.
Item K: Material must be assigned an alternate disposal method code as follows: Landfill, Bioremediation, heat recovery, burning, T = Chemical physical, biological, heat treatment, Material recovery if more than 75 percent of the total material. Both the generator and the TSD facility should agree on codes assigned to this item.

Transporter Section

Items 17 and 18: Print name of person accepting responsibility for the waste. Enter date of receipt by transporter.

TSD Facility Section

Item 19: Enter name of TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility.

Item 20: Enter name of TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility.

Additional Information

Item 21: Enter name of TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility. If the waste is being transported to a TSD facility, enter the name of the TSD facility.

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 9-30-91

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD00051165933508		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 MS INC 50 WOLF RD ALBANY, NY 12233-						A. State Manifest Document No. NY B 173350.8							
4. Generator's Phone (315) 437-5677						B. Generator's ID OSWEGO, NY							
5. Transporter 1 (Company Name) ENVIRONMENTAL PRODUCTS&SERVICES, INC				6. US EPA ID Number NYD980761191		C. State Transporter's ID PP1912							
7. Transporter 2 (Company Name)						D. Transporter's Phone (315) 471-0503							
8. US EPA ID Number						E. State Transporter's ID 401							
9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE 4636 NOVAL AVENUE NIAGARA FALLS, NY 14303						10. US EPA ID Number NYD043815703							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. NO ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (XYLENE, BENZENE) 9 (OTHER MISCELLANEOUS HAZARDOUS MATERIAL) UN3082 PG III						No. Type 001 T T 06500		2000		G		EPA STATE 5018, D043	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a. FOAM LEACHATE, VINYL CHLORIDE						a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/>							
b.						b. <input type="checkbox"/> d. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information HAZ. CODE 1251-748						Job Number: 94711 Emergency Phone: (315) 471 - 0503							
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 _____ Signature _____ Mo. Day Year _____							
17. Transporter 1 (Acknowledgement of Receipt of Materials)						Printed/Typed Name _____ Signature _____ Mo. Day Year _____							
18. Transporter 2 (Acknowledgement of Receipt of Materials)						Printed/Typed Name _____ Signature _____ Mo. Day Year _____							
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 _____							

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.

GENERATOR
TRANSPORTER
FACILITY

NY B 173350.8

268.43 TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters		
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes	
F025 (Spent Filters or Aids and Desiccants Subcategory).	NA	NA	Chloroform	67-66-3	0.048	(*)	6.2	(*)	
			Methylene chloride	75-8-2	0.089	(*)	31	(*)	
			Carbon tetrachloride	56-23-5	0.057	(*)	6.2	(*)	
			1,1,2-Trichloroethane	79-00-5	0.054	(*)	6.2	(*)	
			Trichloroethylene	79-01-6	0.054	(*)	5.8	(*)	
			Vinyl chloride	75-01-4	0.27	(*)	23	(*)	
			Hexachlorobenzene	118-74-1	0.055	(*)	37	(*)	
			Hexachlorobutadiene	67-66-3	0.055	(*)	28	(*)	
			Hexachloroethane	67-72-1	0.055	(*)	30	(*)	
			Acetone	67-64-1	0.28	(*)	160	(*)	
			Acenaphthalene	208-96-8	0.059	(*)	3.4	(*)	
			Acenaphthene	83-32-9	0.059	(*)	4.0	(*)	
			Acetonitrile	75-05-8	0.17	(*)	NA		
			Acetophenone	96-86-2	0.610	(*)	9.7	(*)	
			2-Acetylamino-fluorene	53-98-3	0.058	(*)	140	(*)	
F038	NA	Table CCWE in 268.41.	Acrolein	107-13-1	0.24	(*)	84	(*)	
			Acrylonitrile	309-00-2	0.021	(*)	0.056	(*)	
			Aldrin						
			4-Aminobiphenyl	92-67-1	0.13	(*)	NA		
			Aniline	62-53-3	0.81	(*)	14	(*)	
			Anthracene	120-12-7	0.059	(*)	4.0	(*)	
			Aramid	140-57-6	0.36	(*)	NA		
			Aroclor 1016	12674-11-2	0.013	(*)	0.92	(*)	
			Aroclor 1221	11104-28-2	0.014	(*)	0.92	(*)	
			Aroclor 1232	11141-16-5	0.013	(*)	0.92	(*)	
			Aroclor 1242	53469-21-9	0.017	(*)	0.92	(*)	
			Aroclor 1248	12672-29-6	0.013	(*)	0.92	(*)	
			Aroclor 1254	11097-69-1	0.014	(*)	1.8	(*)	
			Aroclor 1260	11096-82-6	0.014	(*)	1.8	(*)	
			alpha-BHC	319-84-6	0.00014	(*)	0.056	(*)	
			beta-BHC	319-85-7	0.00014	(*)	0.056	(*)	
			delta-BHC	319-86-8	0.029	(*)	0.056	(*)	
			gamma-BHC	56-89-9	0.0017	(*)	0.056	(*)	
			Benzene	71-43-2	0.14	(*)	36	(*)	
			Benzo(a)anthracene	56-55-9	0.059	(*)	8.2	(*)	
			Benzo(b)fluoranthene	205-99-2	0.056	(*)	3.4	(*)	
			Benzo(k)fluoranthene	207-08-9	0.059	(*)	3.4	(*)	
			Benzo(g,h,i)perylene	191-24-2	0.055	(*)	1.5	(*)	
			Benzo(a)pyrene	50-32-8	0.061	(*)	8.2	(*)	
			Bromodichloromethane	75-27-4	0.35	(*)	15	(*)	
			Bromoform (Tribromomethane)	75-25-2	0.63	(*)	15	(*)	
			Bromomethane (methyl bromide)	74-83-9	0.11	(*)	15	(*)	
			4-Bromophenyl phenyl ether	101-55-3	0.055	(*)	15	(*)	
			n-Butyl alcohol	71-36-3	5.8	(*)	2.8	(*)	
			Butyl benzyl phthalate	85-68-7	0.017	(*)	7.9	(*)	
			2-sec-Butyl-4,6-dinitrophenol	88-85-7	0.086	(*)	2.5	(*)	
			Carbon tetrachloride	56-23-5	0.057	(*)	5.6	(*)	
			Carbon disulfide	75-15-0	0.014	(*)	NA		
			Chlordane	57-74-8	0.0033	(*)	0.13	(*)	
			p-Chloroaniline	106-47-6	8.46	(*)	16	(*)	
			Chlorobenzene	106-90-7	0.057	(*)	5.7	(*)	
			Chlorobenzilate	510-15-6	8.16	(*)	NA		
			2-Chloro-1,3-butadiene	126-99-6	0.057	(*)	NA		
			Chlorodibromomethane	124-48-1	0.057	(*)	15	(*)	
			Chloroethane	75-00-3	0.27	(*)	6.0	(*)	

FAX MEMO
 # PAGES 6 DATE 4/17/91 FAX #
 TO D. F. YER URS
 FROM A. K. GUATA - NYSDEC
 CO.
 FH # 518/457-0927 FAX #

ONLINE YK
DATE _____
PAGE _____

268.43 TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes
			bis(2-Chloroethoxy) methane.	111-91-1	0.036	(*)	7.2	(1)
			bis(2-Chloroethyl) ether.	111-44-4	0.033	(*)	7.2	(1)
			Chloroform	67-66-3	0.046	(*)	5.6	(1)
			bis(2-Chloroisopropyl) ether.	39636-32-9	0.055	(*)	7.2	(1)
			p-Chloro-m-cresol	59-50-7	0.018	(*)	14	(1)
			Chloromethane (Methyl chloride).	74-87-3	0.19	(*)	33	(1)
			2-Chloronaphthalene.	91-8-7	0.055	(*)	5.6	(1)
			2-Chlorophenol	95-57-8	0.044	(*)	5.7	(1)
			3-Chloropropylene.	107-05-1	0.036	(*)	28	(1)
			Chrysene	218-01-9	0.059	(*)	6.2	(1)
			o-Cresol	95-48-7	0.11	(*)	5.6	(1)
			Cresol (m- and p-isomers).		0.77	(*)	3.2	(1)
			Cyclohexanone	106-84-1	0.36	(*)	NA	
			1,2-Dibromo-3-chloropropane.	96-12-6	0.11	(*)	15	(1)
			1,2-Dibromoethane (Ethylene dibromide).	106-93-4	0.028	(*)	15	(1)
			Dibromomethane	74-95-3	0.11	(*)	15	(1)
			2,4-Dichlorophenoxyacetic acid (2, 4-D).	94-75-7	0.72	(*)	10	(1)
			o,p'-DDD	53-19-0	0.023	(*)	0.067	(1)
			p,p'-DDD	72-64-8	0.023	(*)	0.067	(1)
			o,p'-DDE	3424-82-6	0.031	(*)	0.067	(1)
			p,p'-DDE	72-55-9	0.031	(*)	0.067	(1)
			o,p'-DDT	789-02-6	0.0039	(*)	0.067	(1)
			p,p'-DDT	50-29-3	0.0039	(*)	0.067	(1)
			Dibenz(a,h)anthracene.	53-70-3	0.055	(*)	6.2	(1)
			Dibenzo(a,e)pyrene.	192-65-4	0.061	(*)	NA	
			m-Dichlorobenzene.	541-73-1	0.036	(*)	6.2	(1)
			o-Dichlorobenzene.	95-50-1	0.068	(*)	6.2	(1)
			p-Dichlorobenzene.	106-46-7	0.060	(*)	6.2	(1)
			Dichlorodifluoromethane.	75-71-6	0.23	(*)	7.2	(1)
			1,1-Dichloroethane.	75-34-3	0.059	(*)	7.2	(1)
			1,2-Dichloroethane.	107-06-2	0.21	(*)	7.2	(1)
			1,1-Dichloroethylene.	75-35-4	0.025	(*)	33	(1)
			trans-1,2-Dichloroethylene.		0.054	(*)	33	(1)
			2,4-Dichlorophenol.	120-83-2	0.044	(*)	14	(1)
			2,6-Dichlorophenol.	87-85-0	0.044	(*)	14	(1)
			1,2-Dichloropropane.	78-87-6	0.85	(*)	16	(1)
			cis-1,3-Dichloropropane.	10061-01-6	0.036	(*)	16	(1)

268.43 TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes
			trans-1,3-Dichloropropene	10061-02-6	0.036	(*)	18	(1)
			Dieldrin	60-57-1	0.017	(*)	0.13	(1)
			Diethyl phthalate	84-66-2	0.20	(*)	28	(1)
			2,4-Dimethyl phenol	105-67-8	0.036	(*)	14	(1)
			Dimethyl phthalate	131-11-3	0.047	(*)	28	(1)
			Di-n-butyl phthalate	84-74-2	0.057	(*)	28	(1)
			1,4-Dinitrobenzene	100-25-4	0.32	(*)	2.3	(1)
			4,6-Dinitro-cresol	534-52-1	0.28	(*)	160	(1)
			2,4-Dinitrophenol	51-28-5	0.12	(*)	160	(1)
			2,4-Dinitrotoluene	121-14-2	0.32	(*)	140	(1)
			2,6-Dinitrotoluene	606-20-2	0.55	(*)	28	(1)
			Di-n-octyl phthalate	117-84-0	0.017	(*)	28	(1)
			Di-n-propylnitrosamine	621-64-7	0.40	(*)	14	(1)
			Diphenylamine	122-39-4	0.52	(*)	NA	
			1,2-Diphenyl hydrazine	122-66-7	0.087	(*)	NA	
			Diphenyl nitrosamine	621-64-7	0.40	(*)	NA	
			1,4-Dioxane	123-91-1	0.12	(*)	170	(1)
			Disulfoton	298-04-4	0.017	(*)	8.2	(1)
			Endosulfan I	939-88-8	0.023	(*)	0.068	(1)
			Endosulfan II	32213-6-5	0.029	(*)	0.13	(1)
			Endosulfan sulfate	1031-07-8	0.929	(*)	0.13	(1)
			Endrin	72-20-8	0.0028	(*)	0.13	(1)
			Endrin aldehyde	7421-93-4	0.025	(*)	0.13	(1)
			Ethyl acetate	141-78-6	0.34	(*)	33	(1)
			Ethyl cyanide	107-12-0	0.24	(*)	360	(1)
			Ethyl benzene	100-41-4	0.057	(*)	8.0	(1)
			Ethyl ether	60-29-7	0.12	(*)	160	(1)
			bis(2-Ethylhexyl) phthalate	117-81-7	0.28	(*)	28	(1)
			Ethyl methacrylate	97-63-2	0.14	(*)	160	(1)
			Ethylene oxide	75-21-8	0.12	(*)	NA	
			Famphur	52-85-7	0.017	(*)	15	(1)
			Fluoranthene	206-44-0	0.068	(*)	8.2	(1)
			Fluorine	98-73-7	0.059	(*)	4.0	(1)
			Fluorotrichloromethane	75-68-4	0.020	(*)	33	(1)
			Heptachlor	78-44-8	0.0012	(*)	0.068	(1)
			Heptachlor epoxide	1024-57-3	0.018	(*)	0.068	(1)
			Hexachlorobenzene	118-74-1	0.055	(*)	37	(1)
			Hexachlorobutadiene	87-68-3	0.055	(*)	28	(1)
			Hexachlorocyclopentadiene	77-47-4	0.057	(*)	3.6	(1)
			Hexachloro-benzo-furans		0.000063	(*)	0.001	(1)
			Hexachloro-benzo-p-dioxins		0.000063	(*)	0.001	(1)
			Hexachloroethane	87-72-1	0.065	(*)	28	(1)
			Hexachloropropene	1886-71-7	0.035	(*)	28	(1)
			Indeno[1,2,3-c]pyrene	193-39-5	0.0056	(*)	8.2	(1)
			Iodomethane	74-88-4	0.19	(*)	85	(1)
			Isobutanol	78-83-1	8.8	(*)	170	(1)
			Isodrin	486-73-6	0.021	(*)	0.068	(1)
			Isosafrole	120-58-1	0.081	(*)	2.6	(1)
			Kepone	143-50-8	0.0811	(*)	0.13	(1)
			Methacrylonitrile	126-98-7	0.24	(*)	84	(1)
			Methanol	67-56-1	5.6	(*)	NA	
			Methacrylonitrile	91-80-6	0.081	(*)	1.5	(1)
			Methoxychlor	72-43-5	0.25	(*)	0.18	(1)

288.43 TABLE CCV.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes
			3-Methylcholanthrene.	56-49-5	0.0055	(*)	15	(1)
			4,4-Methylenebis-(2-chloroaniline).	101-14-4	0.50	(*)	35	(1)
			Methylene chloride.	75-09-2	0.069	(*)	33	(1)
			Methyl ethyl ketone.	78-93-3	0.28	(*)	36	(1)
			Methyl isobutyl ketone.	108-10-1	0.14	(*)	33	(1)
			Methyl methacrylate.	80-82-6	0.14	(*)	160	(1)
			Methyl methanesulfonate.	66-27-3	0.018	(*)	NA	
			Methyl parathion.....	298-00-0	0.014	(*)	4.8	(1)
			Naphthalene.....	91-20-3	0.059	(*)	3.1	(1)
			2-Naphthylamine.....	91-59-8	0.52	(*)	NA	
			p-Nitroaniline.....	100-01-6	0.028	(*)	26	(1)
			Nitrobenzene.....	98-95-3	0.088	(*)	14	(1)
			5-Nitro-o-toluidine.....	99-55-8	0.32	(*)	28	(1)
			4-Nitrophenol.....	100-02-7	0.12	(*)	29	(1)
			N-Nitrosodiethylamine.	55-18-5	0.40	(*)	28	(1)
			N-Nitrosodimethylamine.	62-75-8	0.40	(*)	NA	
			N-Nitroso-d-n-butylamine.	924-16-3	0.40	(*)	17	(1)
			N-Nitrosomethylethylamine.	10595-95-6	0.40	(*)	2.3	(1)
			N-Nitrosomorpholine.	59-89-2	0.40	(*)	2.3	(1)
			N-Nitropiperidine.	100-75-4	0.013	(*)	36	(1)
			N-Nitropyrrolidine.	930-55-2	0.013	(*)	36	(1)
			Parathion.....	56-38-2	0.014	(*)	4.8	(1)
			Pentachlorobenzene.	608-93-6	0.055	(*)	37	(1)
			Pentachlorodibenzo-furans.		0.000063	(*)	0.001	(1)
			Pentachlorodibenzo-p-dioxins.		0.000063	(*)	0.001	(1)
			Pentachloronitrobenzene.	82-68-8	0.055	(*)	4.8	(1)
			Pentachlorophenol.	87-86-5	0.069	(*)	7.4	(1)
			Phenacetin.....	62-44-2	0.081	(*)	16	(1)
			Phenanthrene.....	85-01-6	0.059	(*)	3.1	(1)
			Phenol.....	108-95-2	0.039	(*)	6.2	(1)
			Phorate.....	298-02-2	0.021	(*)	4.8	(1)
			Phthalic anhydride.	85-44-9	0.069	(*)	NA	
			Pronexide.....	23950-56-5	0.093	(*)	1.5	(1)
			Pyrene.....	129-00-0	0.067	(*)	6.2	(1)
			Pyridine.....	110-86-1	0.014	(*)	18	(1)
			Safrole.....	94-59-7	0.081	(*)	22	(1)
			Silvex (2,4,5-TP).....	93-72-1	0.72	(*)	7.9	(1)
			2,4,5-T.....	83-76-5	0.72	(*)	7.9	(1)
			1,2,4,5-Tetrachlorobenzene.	95-94-3	0.055	(*)	19	(1)
			Tetrachlorodibenzo-furans.		0.000063	(*)	0.001	(1)
			Tetrachlorodibenzo-p-dioxins.		0.000063	(*)	0.001	(1)
			1,1,1,2-Tetrachloroethane.	630-20-6	0.057	(*)	42	(1)

268.43 TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes
K001	NA	Table CCWE in 268.41.	1,1,2,2-Tetrachloroethane	79-34-8	0.057	(*)	42	(*)
			Tetrachloroethylene	127-18-4	0.056	(*)	5.6	(*)
			2,3,4,6-Tetrachlorophenol	58-80-2	0.030	(*)	37	(*)
			Toluene	108-88-3	0.080	(*)	28	(*)
			Toxaphene	8001-35-1	0.0085	(*)	1.3	(*)
			1,2,4-Trichlorobenzene	120-82-1	0.055	(*)	19	(*)
			1,1,1-Trichloroethane	71-55-8	0.054	(*)	5.6	(*)
			1,1,2-Trichloroethane	79-00-5	0.054	(*)	5.6	(*)
			Trichloroethylene	79-01-6	0.054	(*)	5.6	(*)
			2,4,5-Trichlorophenol	95-85-4	0.18	(*)	37	(*)
			2,4,6-Trichlorophenol	88-06-2	0.035	(*)	37	(*)
			1,2,3-Trichloropropane	98-18-4	0.85	(*)	28	(*)
			1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	(*)	28	(*)
			Tri(2,3-dibromopropyl) phosphata	126-72-7	0.11	(*)	NA	
			Vinyl chloride	75-01-4	0.27	(*)	33	(*)
			Xylene(s)		0.32	(*)	28	(*)
			Cyanides (Total)	57-12-5	1.2	(*)	1.8	(*)
			Fluoride	16964-48-8	35	(*)	NA	
			Sulfide	8498-25-8	14	(*)	NA	
			Antimony	7440-36-0	1.9	(*)	NA	
			Arsenic	7440-38-2	1.4	(*)	NA	
			Barium	7440-39-3	1.2	(*)	NA	
			Beryllium	7440-41-7	0.82	(*)	NA	
			Cadmium	7440-43-9	0.20	(*)	NA	
			Chromium (Total)	7440-47-32	0.37	(*)	NA	
			Copper	7440-50-8	1.3	(*)	NA	
			Lead	7439-92-1	0.28	(*)	NA	
			Mercury	7439-97-8	0.15	(*)	NA	
			Nickel	7440-02-0	0.55	(*)	NA	
			Selenium	7782-49-2	0.82	(*)	NA	
			Silver	7440-22-4	0.29	(*)	NA	
			Thallium	7440-28-0	1.4	(*)	NA	
			Vanadium	7440-62-2	0.042	(*)	NA	
			Zinc	7440-66-8	1.0	(*)	NA	
			Naphthalene	91-20-3	0.031	(*)	1.8	(*)
Pentachlorophenol	87-88-5	0.18	(*)	7.4	(*)			
Phenanthrene	85-01-6	0.031	(*)	1.5	(*)			
Pyrene	129-00-0	0.028	(*)	1.5	(*)			
Toluene	108-88-3	0.028	(*)	28	(*)			
Xylenes (Total)		0.032	(*)	33	(*)			
Lead	7439-92-1	0.037		NA				
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Cyanides (Total)	57-12-5	0.74	(*)	(*)				
Chromium (Total)	7440-47-32	0.9	(*)	3.4	(*)			
Lead	7439-92-1	3.4	(*)	(*)	NA			
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Cyanides (Total)	57-12-5	0.74	(*)	(*)				
Chromium (Total)	7440-47-32	0.9	(*)	NA				
Lead	7439-92-1	3.4	(*)	NA				
Chloroform	67-88-3	0.1		6.0	(*)			
Chloroform	67-88-3	0.1		6.0	(*)			

TABLE I-TC

TC Constituents and Their Regulatory Levels

Newly Added Constituents		
Constituent	Regulatory Level (mg/l)	Regulatory Level (mg/l)
D018 Benzene*	0.5	0.13
D019 Carbon Tetrachloride*	0.5	0.5
D020 Chlordane	0.03	3.0
D021 Chlorobenzene	100.0	200.0
D022 Chloroform	6.0	2.0
D023 O-Cresol	200.0	100.0**
D024 M-Cresol	200.0	5.0
D025 P-Cresol	200.0	0.7
D0271, 4-Dichlorobenzene*	7.5	0.5
D0281, 2-Dichloroethane*	0.5	400.0
D0291, 1-Dichloroethylene*	0.7	2.0
D0302, 4-Dinitrotoluene	0.13	0.2
D0311 Heptachlor	0.008	200.0
Constituent		
D032 Hexachlorobenzene		
D033 Hexachloro-1, 3-Butadiene		
D034 Hexachloroethane		
D035 Methyl Ethyl Ketone		
D036 Nitrobenzene		
D037 Pentachlorophenol		
D038 Pyridine		
D039 Tetrachloroethylene		
D040 Trichloroethylene*		
D041 2, 4, 5-Trichlorophenol		
D042 2, 4, 6-Trichlorophenol		
D043 Vinyl Chloride*		
D026 Cresol		
EP Constituents (Being Retained at Current Levels)		
Constituent	Regulatory Level (mg/l)	Regulatory Level (mg/l)
D004 Arsenic*	5.0	5.0
D005 Barium*	100.0	0.02
D006 Cadmium*	1.0	0.4
D007 Chromium*	5.0	10.0
D008 Lead*	5.0	0.5
D009 Mercury*	0.2	10.0
D010 Selenium*	1.0	1.0
Constituent		
D011 Silver*		
D012 Endrin*		
D013 Lindane*		
D014 Methoxychlor*		
D015 Toxaphene*		
D0162, 4-D*		
D0172, 4, 5-TP (Silvex)*		

* Regulated based on an MCL.

**The Agency will propose a new (lower) regulatory level for this constituent, based on the latest toxicity information.

RCRA
MANIFEST
F039

F039

F004

~~F30~~

D018 — Benzene -
Vinyl Chloride

~~to CFR -~~
Land Disposal Restrictions

TABLE 5-1

Analytical Results from Leachate Samples

VOLATILE COMPOUNDS	
Acetone	5,000
Benzene	1,400
2-Butanone	810
Chlorobenzene	2,900
Chloroform	87 J
1,1-Dichloroethane	620
1,2-Dichloroethane	470
1,2-Dichloroethylene (total)	17,000
Ethylbenzene	10,000
Methylene Chloride	1,200 B
1,1,2,2-Tetrachloroethane	270
Tetrachloroethylene	47 J
Toluene	11,000
1,1,1-Trichloroethane	520
Vinyl Chloride	4,000
Xylenes (total)	19,000
SEMIVOLATILE COMPOUNDS	
Phenol	650
1,2-Dichlorobenzene	120
2-Methylphenol	60
2,4-Dimethylphenol	50
Naphthalene	71
2-Methylnaphthalene	18 J
METALS/INORGANIC PARAMETERS	
Aluminum	81.7 B
Arsenic	47
Barium	849
Calcium	259,000
Chromium	7.2 B
Cobalt	22.4 B
Copper	14.2 B
Iron	32,800
Lead	3.5
Magnesium	49,500
Manganese	23,300
Nickel	570
Potassium	60,900
Sodium	121,000
Vanadium	18.9 B
Zinc	33.2

NOTES:

1. All concentrations are in $\mu\text{g/l}$, unless otherwise noted.
2. J - Estimated Value
B - Compound found in blank.
3. Values obtained from recent (1989) analytical data.

