

Pennsylvania CHEMSWEEP Waste Pesticide Disposal Program: Contracts, Logistics, Management

The Pesticide Stewardship Alliance Conference
San Antonio, TX
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CHEMSWEEP Overview

- Began in six counties in 1993
- Expanded from farmers-only to include commercial applicators and businesses
- Extended to homeowners through DEP HHW collection program
- Operates **site-to-site** collections; **No central collection events** on the Ag side
- CHEMSWEEP operates under **Universal Waste regs**

Products Accepted

- Pesticides that meet the definition of “universal waste”
- Labpack quantities of Dioxin precursors (2.5 gal. or less)
 - Silvex
 - 2,4,5-T
 - Pentachlorophenol
- Pressurized cylinders such as methyl bromide will be assessed on a case-by-case basis

Products Not Accepted

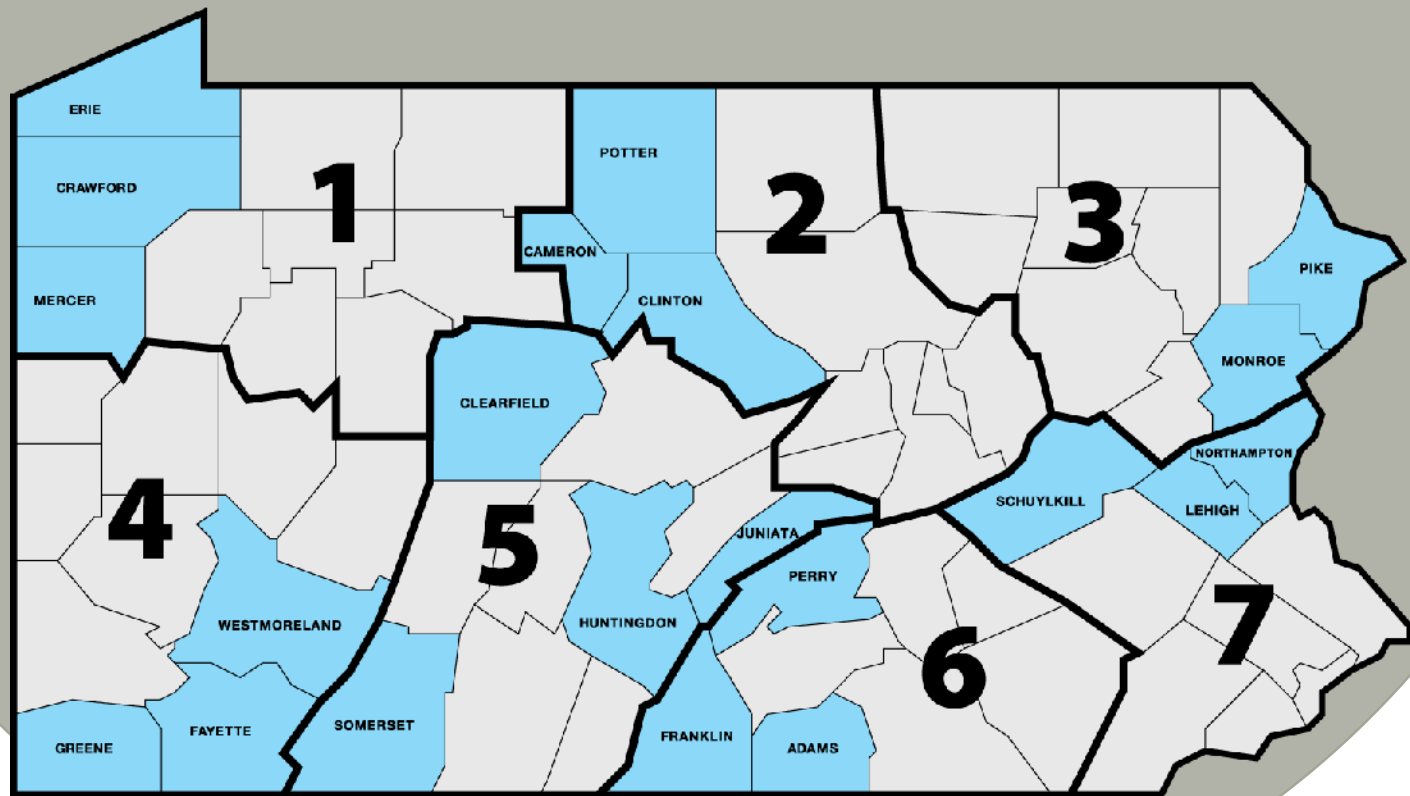
- ⦿ Oxidizers such as pool chemicals
 - Sodium/Calcium hypochlorite
 - Bromine
- ⦿ Non-pesticides
 - Paint
 - Solvents
- ⦿ Fertilizers/ Micro-nutrients

Contract

- PDA issues a Request For Proposal for **farm-to-farm** collections
- Request single **price-per-pound** to include **everything** from scheduling through proper disposal & documentation
- Pressurized cylinders are a separate line item on the PO (oxidizers may follow suit on next contract)
- A contractor assumes **generator status** of collection

Scope of Program

- PDA selects up to 21 counties each year



 Selected Counties for **CHEMSWEEP 2011**

Inventories & Verification

- On Dec. 1, mailers sent to all private applicators, application businesses and pesticide dealers
 - Cover letter
 - FAQ
 - Inventory form (Region specific)

Inventories & Verification

- ◉ Field inspectors receive completed inventories by **March 31 due date**
- ◉ **Physically verify each inventory within a few weeks**
 - Site access
 - Are containers leaking?
 - Is cleanup required?
 - Take photos of anything pertinent
 - Sample unknowns over 50# or 5 gal. (testing done by PDA lab)

Inventories & Verification

**PENNSYLVANIA DEPARTMENT OF AGRICULTURE
CHEMSWEEP PESTICIDE DISPOSAL PROGRAM**

DEADLINE: March 31

NAME OF COMPANY/GROWER: Kurt Weiss Greenhouses
 CONTACT PERSON: Dave Pervola
 ADDRESS: 233 PF & L Road
Danville PA 17821
 PHONE: 570-598-9898
 EMAIL: _____

SEND TO: PA Department of Agriculture
 Bureau of Plant Industry
 2301 N. Cameron St.
 Harrisburg, PA 17110
 Telephone: (717) 772-5210
 Fax: (717) 785-3275

Inventory Verification

Site #: 08-47001

County: Montour

Inspector: Jan Bastian

Date: 4/9/2008

PRODUCT NAME	ACTIVE INGREDIENT COMMON NAME	EPA REG NO / USDA REG NO.	FORM CODE	TYPE	CONTAINER			TOTAL QTY
					QTY	SIZE	COND	
<i>Example: A new 5 lb. bag of Furadan DF containing approximately 2 lbs. would be recorded as:</i> Furadan DF	Carbofuran	EPA # 379-2876	G	PA	1	5 lbs.	L	2 lbs.
Ovation	Clofentazine	66222-53-58185	L	PL	2	1 pt.	F	1 pt.
Pyreth-It	Pyrethrins	1021-1018-498	L	PL	1	1 qt.	F	1 qt.
Concorde SST	Chlorothalonil	1812-437	L	PL	2	2.5 gal.	G	3.5 gal.
Chipco 26079	Iprodione	264-481	F	PA	1	5 lb.	L	5 lb.
Daconil 2787	Chlorothalonil	50534-4	P	PL	7	2 lb.	F	14 lb.
Daconil Weather Ssk	Chlorothalonil	50534-208-10182	L	PL	4	2.5 gal.	F	8 gal.
Banrot	Etridiazole	58185-10	P	PL	2	2 lb.	G	1/2 lb.
Decree 50 WDG	Fenhexamid	66330-35-67690	L	ME	1	6 gal.	L	4.5 gal.
Attain TR	Bifenthrin	499-472	L	Aero	11	16 oz.	G	176 oz.

Exact directions to where the pesticides will be located:

From Danville, take Rt 54 East to L on Poplar Rd.
 Go 2 miles to farm. Pesticides are in small
 red boxes. Come to office for key.

FORMULATION - FORM CODE

CRYSTALS	C
GAS	V
GRANULAR	G
LIQUID	L
POWDER	P
SOLID	S

CONTAINER TYPE - CONT CODE

AMBROSOL CANS	AERO
CARDBOARD	CA
GLASS	GL
METAL CAN / DRUM	ME
PAPER	PA
PLASTIC	PL
STEEL CYLINDER (pressurized)	TRCA
NO CONTAINER (Liquor)	LIQR
UNKNOWN	USKN

CONDITION - COND CODE

GOOD	G
FAIR	F
POOR	P
TRACING	L

Inventories & Verification

- Verified inventories & photos sent to program manager
- Inventories are tracked on a spreadsheet
 - Name
 - Site Number
 - Estimated weight
- Inventories are organized by PDA Region then forwarded to contractor for scheduling

Scheduling

- ① Contractor creates **draft route** with proposed collection dates
- ② Field inspectors **review/change** route according to site access, weight limits, low bridges, etc.
- ③ Schedule finalized

Scheduling

- Contractor sends note card reminders to participants 2 weeks prior to collection
- Inspectors lead contractor to each collection site

Chemsweep Participant:

You have registered to participate in the PA Chemsweep Program. MXI Environmental Services is the disposal contractor who will be collecting your unwanted pesticides registered in the Program. We will be accompanied by a PDA inspector.

We will be at your pesticide storage location on 7/28/10 in the ~~morning~~ / afternoon to collect them. Please be sure that the storage location is unlocked and that we can get to them.

If you have any questions, please contact me at the telephone number below or Don Gilbert, PDA, at 717-772-5210.

Thank you.

Dan Schweitzer, MXI Environmental Services, 804-932-9530

Collections

- Weight ticket generated for each location with copy to contractor, participant, PDA
- Under "Universal Waste", Contractor operates from a bill of lading from stop- until the is

MXS
MANAGEMENT SERVICES

Pennsylvania Department of Agriculture
Chemicals
Straight Bill of Lading

Name of Carrier: **Maurnee Express, Inc. P.O. Box 278 Somerville NJ 08876**

TO: **MXI Environmental Services LLC** FROM: PA Game Commission
26319 Old Trail Road Ridgway, PA
Abingdon, VA 24210

24 hour Emergency Contact Number: 800-742-5542

Region 1 Collection Date 10/5/10 Collection Team DSS

# of units & container type	HM	DESCRIPTION	TOTAL QUANTITY	WEIGHT
	x	PESTICIDES LIQUID, TOXIC, N.O.S. (DINOSEB, ACEPHATE), 6.1, UN 2902, PGII	LBS	
<u>1-55</u>	x	PESTICIDES SOLID, TOXIC, N.O.S. (DINOSEB, ACEPHATE), 6.1, UN 2588, PGII	LBS	<u>46</u>
	x	RQ PESTICIDES LIQUID, TOXIC, N.O.S. (DINOSEB, ACEPHATE), 6.1, UN 2902, PGII	LBS	

Materials are Universal Waste Pesticides and being collected in a state-sponsored pesticide disposal program in accordance with 40 CFR 273 Universal Waste Rule. These materials will be stored at a designated permitted Universal Waste Transfer Facility for transportation to a permitted RCRA disposal facility. A Uniform Hazardous Waste Manifest will be used for final disposal.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

The Generator of this material is **MXI Environmental Services LLC EPA ID VAR000503920**

Actual Total Weight 46 >40 # difference _____
(PDA Authorization)

[Signature] Date _____ Participant/Shipper Michael A. Mann Date _____
MXI Representative/Carrier

Comments _____

PDA Copy

Collection Manifest

- Entire collection run manifested from the local PDA Regional office (7 Regions)

BR 20716 Form Approved OMR No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

1. Generator ID Number: **PADEP0015777**

2. Page 1 of 1

3. Emergency Response Phone: **776-628-1156**

4. Manifest Tracking Number: **006951675 JJK**

5. Generator's Name and Mailing Address: **MDX ENVIRONMENTAL SERVICES
25318 OLD TRAIL RD
ABINGDON, VA 24210**

6. Generator's Phone: **776-628-5636**

7. Generator's Address (if different than mailing): **PO BOX 5184, SYCAMORE ST
HARRISBURG, PA 17110 USA**

8. Transporter's Emergency Name: **MALINEE EXPRESS, INC.**

9. Transporter's Emergency Phone: **NJD088607350**

10. Designated Facility Name and Site Address: **MDX ENVIRONMENTAL SERVICES, LLC
25318 OLD TRAIL ROAD
ABINGDON, VA 24210**

11. Designated Facility Phone: **776-628-5636**

12. Designated Facility EPA ID Number: **VAR000503820**

Ba. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X ¹	PESTICIDES LIQUID, TOXIC, NOS. (DINOSEB, ACEPHATE) §1, UN 2903, PG II DID NOT SHIP		DF			
X ²	PESTICIDES SOLID, TOXIC, NOS. (DINOSEB, ACEPHATE) §1, UN 2588, PG II	005	DF CF 4915	P	EXMP	
X ³	RQ, PESTICIDES LIQUID, TOXIC, NOS. (DINOSEB, ACEPHATE) §1, UN 2902, PG II	002	DM	P	EXMP	
X ⁴	PESTICIDES LIQUID, TOXIC, NOS. (DINOSEB, ACEPHATE) §1, UN 2902, PG II	013	CF	P	EXMP	

14. Special Handling Instructions and Additional Information:
**USE DRY CHEMICAL FIRE EXTINGUISHER
ABSORB ALL SPILLS ON INERT MATERIAL
ALL MATERIAL IS UNIVERSAL WASTE PESTICIDES**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offendor's Printed/Typed Name: **D.S. Schweitzer** Signature: *[Signature]* Month: **10** Day: **23** Year: **2010**

16. International Shipments: Import to U.S. Export from U.S. Part of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials: Transporter 1 Printed/Typed Name: **Pennis Condon** Signature: *[Signature]* Month: **10** Day: **22** Year: **2010**

18. Discrepancy: 18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection. Manifest Reference Number: _____

18b. Alternate Facility (or Generator): _____ U.S. EPA ID Number: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems):

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a. Printed/Typed Name: **Ronald Potter** Signature: *[Signature]* Month: **10** Day: **25** Year: **2010**

EPA Form 8700-22 (Rev. 3-05) *Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Waste Management & Tracking

- ◉ After collection, PDA receives:
 - Participant weight tickets
 - Collection manifest
- ◉ When waste is managed (ultimate disposal), PDA receives:
 - Disposal manifest
 - Certificate of Destruction/Disposal from incinerator, landfill, etc.
 - Invoice

Disposal Manifest

Disposal manifest lists collection manifest numbers for cross-reference

Form Approved, OMB No. 2050-0099

Please print or type. (Form designed for use on extra (12-pitch) typewrite.)

2. Page 1 of 1

3. Emergency Response Phone No. 276-628-6636

4. Manifest Tracking Number 006951721 JJK

1. Generator ID Number VAR000503970

5. Generator's Name and Mailing Address
MX ENVIRONMENTAL SERVICES
 2631B OLD TRAIL ROAD
 ABINGDON, VA 24210
 Generator's Phone: 276-628-6636

6. Transporter 1 Company Name MAUNEE EXPRESS, INC. U.S. EPA ID Number NJD98697380

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE-WTI INC
 1250 ST GEORGE ST
 EAST LIVERPOOL, OH 43020
 Facility's Phone: 877-800-5018 U.S. EPA ID Number OH-D980613541

9a. Hbl	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Conditions		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			1	2	3
X	1. PESTICIDES LIQUID, TOXIC NOS(DINOSORB, ACEPHATE) 2002, PG II PR#01825-2	01	UN	48786	P			
X	2. PESTICIDES SOLID, TOXIC NOS(DINOSORB, ACEPHATE) PG II PR#01825-1	01	UN 2568	18832	P			
X	3. RD, PESTICIDES LIQUID, TOXIC NOS(DINOSORB, ACEPHATE) 2902, PG II PR#01825-2	01	UN	714	P			

14. Special Handling Instructions and Additional Information
 Material is Universal waste pesticides, Lehigh HHW pesticides manifest 001699394JJK (liq & sol) bag pesticide manifests 006951611JJK (liq & sol) 006951640JJK (liq & sol) 006951675JJK (liq & sol) 006951697JJK (sol) 006951699JJK (bulk) 1820 lbs sol

15. GENERATOR'S/OWNER'S CERTIFICATION: I hereby declare that the contents of this assignment, are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/manifested, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this assignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.22(a) (1) (I am a large quantity generator) or (b) (I am a small quantity generator) is true.

Generator's/Owner's Printed/Typed Name: Herb Hyde Signature: Herb Hyde Month: 11 Day: 19 Year: 2010

16. International Shipments Import to U.S. Export from U.S. Port of embarkment: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: J. Bell Signature: _____ Month: 11 Day: 19 Year: 2010
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy
 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 18b. Alternate Facility (or Generator) Manifest File/Case Number: _____ U.S. EPA ID Number: _____
 Facility's Phone: _____
 18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Manifested Material Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H010¹ H010² H010⁴

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18
 Printed/Typed Name: LEW Huff Signature: _____ Month: 11 Day: 19 Year: 2010

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

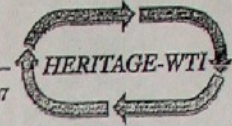
Certificate of Disposal

- Disposal manifest number referenced on CD

HERITAGE-WTI, Inc.

1250 St. George Street
East Liverpool, Ohio 43920-3400
Phone: 330-385-7337
Fax: 330-385-7813
Web Site: www.heritage-wti.com

OHSAS 18001: 2007



ISO 9001: 2008

ISO 14001: 2004

CERTIFICATE OF TREATMENT AND DISPOSAL

Heritage-WTI certifies and assures to our customers that the transaction described below, including treatment and/or storage and /or reclamation and/or disposal has been handled in compliance with all applicable local, state, and federal laws and regulations.

TRANSACTION

Generator Information:

Company Name: MAUMEE ENVIRONMENTAL SERVICE
Address: 26319 OLD TRAIL ROAD
City, State Zip: ABINGDON, VA 24210

Stream information:

Date Received: 11/19/2010
Manifest Document Number: 006951721JJK
Manifest Line Number: 001/002
Waste Profile Number: 91825-1
Quantity: 18,570 pounds
Date Out of Inventory: 12/17/2010

Certificate Date: 12/17/2010

Waste Management & Tracking

- ◉ When all tracking paperwork is received, invoices are matched to weight tickets (not the collection manifests)
- ◉ PDA submits invoice for payment
- ◉ All inventories, weight tickets, manifests, CD's and invoices are tracked by PDA

CHEMSWEEP Funding

● Restrictive

1 Fund

1.9 Million Pounds Collected

