

Certificate of Training

Presented to:

Matthew Noland

DOT Hazardous Materials and Security Awareness

(As required by: 49 CFR 172, Subpart H)

Course/Test name: Trilogy DOT HAZMAT and DOT Security Awareness Test

Score: 100%

April 28, 2020

This certifies that the above named individual has successfully fulfilled the training requirements for Department of Transportation Hazardous Materials Transportation and has demonstrated competency of 49 CFR 172, Subpart H.



FLJPWBLJJC-SGHQHKGH-WHKTBDFTQ

Certificate of Achievement

Presented to:
Matthew Noland

(As required by: 29CFR1910.120 (q))

Trilogy Medwaste HAZWOPER Refresher Test

HAZWOPER REFRESHER

Score: 100%

Completed Hazardous Waste Operations and Emergency Response, Refresher training and has demonstrated competency per 29CFR1910.120 (q) (8).

FLJPLTCJDP-SGHSRKGR-WHKTNKNWQN

Mon 27th Apr 2020



TRILOGY
M E D W A S T E
Your Waste Management and Compliance Partner

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number FLR000166256	2. Page 1 of 2	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number 022222366 JJK		
5. Generator's Name and Mailing Address Florida Cancer Specialists (VBO) 3730 7th Terrace STE# 101B, 102 Vero Beach FL 32960					Generator's Site Address (if different than mailing address)		
Generator's Phone: (772) 567-2332					Attn: Johanna Flowers		
6. Transporter 1 Company Name Trilogy MedWaste Southeast, LLC.					U.S. EPA ID Number FLR000230888		
7. Transporter 2 Company Name Stericycle Specialty Waste Solutions					U.S. EPA ID Number FL0000702985		
8. Designated Facility Name and Site Address Clean Earth of Alabama 402 Webster Chapel Road Glencoe, AL 35905					U.S. EPA ID Number ALD981020894		
Facility's Phone: (800) 739 9156							
9a. 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. UN1230, Waste, Methanol Solution, 3, PG II	01	DF	5	G	D001	F003
X	2. UN1791, Waste, Hypochlorite solutions, 8, PG II	01	DF	5	G	D002	
X	3. UN3248, Waste, Medicine, liquid, flammable, toxic, n.o.s. (Melfalan, Streptozotocin), 3, 6.1, PG II	02	DF	80	P	PHRM	
	4.						
14. Special Handling Instructions and Additional Information 1) (ERG 131) 203229375 XD5FLRA 2) (ERG 154) 203229376 XD5CORLRA 3) (ERG 131) 203225120 XD18PHARMRA Emergency Contact CHEMTREC 1800-424-9300/CCN851124 WO# 839277							
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/Offeror's Printed/Typed Name <i>Orens Gammie</i>				Signature <i>[Signature]</i>		Month Day Year <i>12 13 21</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Matthew Nohus</i>				Signature <i>[Signature]</i>		Month Day Year <i>3 3 21</i>	
Transporter 2 Printed/Typed Name <i>Claine Santana</i>				Signature <i>[Signature]</i>		Month Day Year <i>3 4 21</i>	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator) U.S. EPA ID Number _____							
Facility's Phone: _____							
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)							
1. _____		2. _____		3. _____		4. _____	
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 _____				Signature _____		Month Day Year ____	

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number FLR000166256	2. Page 1 of 2	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number 022222366 JJK		
5. Generator's Name and Mailing Address Florida Cancer Specialists (VBO) 3730 7th Terrace STE# 101B, 102 Vero Beach FL 32960				Generator's Site Address (if different than mailing address)			
Generator's Phone: (772) 567-2332 Attn: Johanna Flowers							
6. Transporter 1 Company Name Trilogy MedWaste Southeast, LLC.				U.S. EPA ID Number FLR000230888			
7. Transporter 2 Company Name Stericycle Specialty Waste Solutions				U.S. EPA ID Number FL0000702985			
8. Designated Facility Name and Site Address Clean Earth of Alabama 402 Webster Chapel Road Glencoe, AL 35905				U.S. EPA ID Number ALD981020894			
Facility's Phone: (800) 739 9156							
GENERATOR	9a. 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 WL/Vol.	13. Waste Codes
			No.	Type			
	X	1. UN1230, Waste, Methanol Solution, 3, PG II	01	DF	5	G	D001 F003
	X	2. UN1791, Waste, Hypochlorite solutions, 8, PG II	01	DF	5	G	D002
	X	3. UN3248, Waste, Medicine, liquid, flammable, toxic, n.o.s. (Mephalan, Streptozotocin), 3, 6.1, PG II	02	DF	80	P	PHRM
	4.						
14. Special Handling Instructions and Additional Information 1) (ERG 131) 203229375 1 XD5FLRA 2) (ERG 154) 203229376 1 XD5CORLRA 3) (ERG 131) 203225120 1 XD18PHARMRA Emergency Contact CHEMTREC 1800-424-9300/CCN851124 WO# 839277							
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. 2222638							
Generator's/Offor's Printed/Typed Name Diana Gomez		Signature [Signature]		Month Day Year 13 | 3 | 21			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name Math Nolasco		Signature [Signature]		Month Day Year 13 | 3 | 21		
	Transporter 2 Printed/Typed Name Chame Santana		Signature [Signature]		Month Day Year 13 | 4 | 21		
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____						
	Facility's Phone: _____						
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)							
1. H061		2. H141		3. H141		4. _____	
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 Stephen Allen		Signature [Signature]		Month Day Year 13 | 11 | 21			

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM


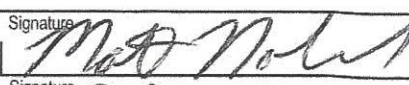
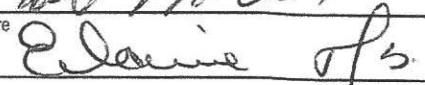
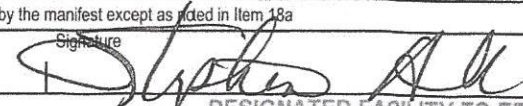
Please print or type.

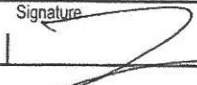
Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number FLR000233437	2. Page 1 of 2	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number 022222367 JJK			
5. Generator's Name and Mailing Address Florida Cancer Specialists (SBA) 13060 US Highway 1 STE #1 Sebastian FL 32958					Generator's Site Address (if different than mailing address)			
Generator's Phone: (772) 589-0879					Attn: Crystal			
6. Transporter 1 Company Name Trilogy MedWaste Southeast, LLC.					U.S. EPA ID Number FLR000230888			
7. Transporter 2 Company Name Stericycle Specialty Waste Solutions					U.S. EPA ID Number (305) 436-9084 FL0000702985			
8. Designated Facility Name and Site Address Clean Earth of Alabama 402 Webster Chapel Road Glencoe, AL 35905					U.S. EPA ID Number (800) 739 9156 ALD981020894			
Facility's Phone:								
GENERATOR	9a. 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. UN1230, Waste, Methanol Solution, 3, PG II <i>DID NOT SHIP</i>		DF		G	D001 F003	
	X	2. UN1791, Waste, Hypochlorite solutions, 8, PG II	01	DF	5	G	D002	
	X	3. UN3248, Waste, Medicine, liquid, flammable, toxic, n.o.s. (Melphalan, Streptozotocin), 3, 6.1, PG II	01	DF	20	P	PHRM	
	4.							
14. Special Handling Instructions and Additional Information 1) (ERG 131) 203227162 <i>XD5FLRA</i> 2) (ERG 154) 203229374 <i>TXD5CORLRA</i> 3) (ERG 131) 203225040 <i>TXD18PHARMRA</i> Emergency Contact CHEMTREC 1800-424-9300/CCN851124 <i>W0# 839274</i>								
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/Offor's Printed/Typed Name					Signature		Month Day Year	
							03 03 21	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials							
TRANSPORTER	Transporter 1 Printed/Typed Name					Signature		Month Day Year
	<i>MAIT Noland</i>					<i>MAIT Noland</i>		03 03 21
SIGNATED FACILITY	Transporter 2 Printed/Typed Name					Signature		Month Day Year
	<i>Elaine Sautana</i>					<i>Elaine Sautana</i>		3 4 21
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) U.S. EPA ID Number								
Facility's Phone:								
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)								
1.		2.		3.		4.		
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					Signature		Month Day Year	

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number FLR000233437		2. Page 1 of 2		3. Emergency Response Phone 800-424-9300		4. Manifest Tracking Number 022222367 JJK			
		5. Generator's Name and Mailing Address Florida Cancer Specialists (SBA) 13060 US Highway 1 STE #1 Sebastian FL 32958						Generator's Site Address (if different than mailing address)			
Generator's Phone: (772) 589-0879		Attn: Crystal									
6. Transporter 1 Company Name Trilogy MedWaste Southeast, LLC.						U.S. EPA ID Number FLR000230888					
7. Transporter 2 Company Name Stericycle Specialty Waste Solutions				(305) 436-9084		U.S. EPA ID Number FL0000702985					
8. Designated Facility Name and Site Address Clean Earth of Alabama 402 Webster Chapel Road Glencoe, AL 35905						U.S. EPA ID Number ALD981020894					
Facility's Phone: (800) 739 9156											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	X	1. UN1230, Waste, Methanol Solution, 3, PG II DID NOT SHIP				DF		G	D001	F003	
	X	2. UN1791, Waste, Hypochlorite solutions, 8, PG II			01	DF	5	G	D002		
	X	3. UN3248, Waste, Medicine, liquid, flammable, toxic, n.o.s. (Mephalan, Streptozotocin), 3, 6.1, PG II			01	DF	20	P	PHRM		
		4.									
14. Special Handling Instructions and Additional Information 1) (ERG 131) 203227162 X D5FLRA 2) (ERG 154) 203229374 X D5CORLRA 3) (ERG 131) 203225040 X D18PHARMRA Emergency Contact CHEMTREC 1800-424-9300/CCN851124											
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/Offoror's Printed/Typed Name Maria Godinez											
Signature 											
Month Day Year 10/3/21											
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	Transporter signature (for exports only): _____										
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Matt Nolan										
Signature 											
Month Day Year 10/3/21											
Transporter 2 Printed/Typed Name Elaine Santana											
Signature 											
Month Day Year 10/3/21											
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____										
	Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator)											
Month Day Year 10/3/21											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. H141		2. H141		3. H141		4.					
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 Stephen Allen											
Signature 											
Month Day Year 10/3/21											

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number FLR000233437	22. Page 2	23. Manifest Tracking Number 022222367 JJK		
24. Generator's Name Florida Cancer Specialists (SBA)						
25. Transporter 3 Company Name AERC Recycling Sol			U.S. EPA ID Number FLD984262782			
26. Transporter _____ Company Name			U.S. EPA ID Number			
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
	TRANS					
32. Special Handling Instructions and Additional Information						
33. Transporter 3 Acknowledgment of Receipt of Materials						
Printed/Typed Name Codd White		Signature 		Month Day Year 03 14 12		
34. Transporter _____ Acknowledgment of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						



TRILOGY
MEDWASTE

DOT HazMat Training

Course Outline

- Regulatory Review
- Hazardous Materials Classes
- Packaging
- Hazardous Material Table
- Hazardous Waste Manifest
- Labeling
- Emergency Response
- Security Awareness

Regulatory Review

Each hazmat employee shall receive the following training concerning:	To satisfy these requirements, topics covered will be:
<p>III. 49 CFR 172.704 (3):</p> <p>(i) Emergency response information required by subpart G of part 172; (ii) Measures to protect the employee from the hazards associated with hazardous materials to which they may be exposed in the workplace, including specific measures the hazmat employer has implemented to protect employees from exposure; and (iii) Methods and procedures for avoiding accidents, such as the proper procedures for handling packages containing hazardous materials.</p>	<ul style="list-style-type: none"> • ERG and NFPA Rating system along with your employers Hazard Communication training.
<p>I. 49 CFR 172.704 (1):</p> <p>General awareness/familiarization training designed to provide familiarity with the requirements of this subchapter, and to enable the employee to recognize and identify hazardous materials consistent with the hazard communication standards of this subchapter.</p>	<ul style="list-style-type: none"> • Regulations pertaining to the training, Hazard Classes and general labelling requirements. • This training is required every 3 years or more often with regulation or job function changes.
<p>II. 49 CFR 172.704 (2):</p> <p>Function specific training concerning requirements of this subchapter, or exemptions issued under subchapter A of this chapter, which are specifically applicable to the functions the employee performs.</p>	<ul style="list-style-type: none"> • Specific items related to healthcare facilities such as specific shipping descriptions, manifesting, containers, container markings and labelling.
<p>IV. 49 CFR 172.704 (4):</p> <p>Security awareness training. No later than the date of the first scheduled recurrent training after March 25, 2003, and in no case later than March 24, 2006, each hazmat employee must receive training that provides an awareness of security risks associated with hazardous materials transportation and methods designed to enhance transportation security. This training must also include a component covering how to recognize and respond to possible security threats. After March 25, 2003, new hazmat employees must receive the security awareness training required by this paragraph within 90 days after employment.</p>	<ul style="list-style-type: none"> • Watching a video at the end of the class which covers these requirements in detail.

Hazardous Materials Classes



HAZARDOUS MATERIALS

I. DEFINITION §171.8: Hazardous Materials

US DOT defines as "a material capable of posing an unreasonable risk to health, safety and property when transported in commerce and which has been so designated"

Hazardous Materials Classes

Hazardous material shipments are recognizable by entries and the shipper's certification on shipping papers, hazardous material warning labels and markings on the packages. Hazardous materials are grouped into nine categories identified by the United Nations Hazard Class Number System, including: A. Class 1 (explosives) § 49CFR 173.50 - Divided into Six Divisions :



Division 1.1: Explosives that have a mass explosion hazard.
Examples: Dynamite, Black Powder, etc.



Division 1.2: Explosives that have a projection hazard.
Examples: Aerial Flares, Detonating Cords, etc.



Division 1.3: Explosives that have a fire, and either minor blast or projection hazard or both.
Examples: Liquid Fueled Rocket Motors, etc.

Hazardous Materials Classes



Division 1.4: Explosives that present a minor blast hazard.
Examples: Line Throwing Rockets or Practice Ammunition



Division 1.5: Very insensitive explosives.
Examples: Ammonium nitrate-fuel oil mixtures.



Division 1.6: Extremely insensitive articles which do not have a mass explosion hazard.
Examples: Not otherwise specified.

Hazardous Materials Classes

Class 2 (gases) § 49CFR 173.115 - Three Divisions:



Division 2.1: Gases that are flammable.

Examples: Propane or methyl chloride.



Division 2.2: Gases that are non-flammable and compressed.

Examples: Ammonium nitrate-fuel oil mixtures.



Division 2.3: Gases that are poisonous.

Example: Phosphine.

Hazardous Materials Classes

C. Class 3 (flammable and combustible liquids) § 49CFR 173.120:



Flammable Liquid:

Substance that has a flash point of not more than 141oF. (DOT Definition).

Examples: Propane or methyl chloride.



Combustible Liquid:

Substance that has a flash point above 141oF and below 200oF (DOT Definition)

Example: Fuel Oil

Hazardous Materials Classes

D. Class 4 (flammable solids) § 49CFR 173.124 - Three Divisions:



Division 4.1: Solids that are flammable.

Example: Sulfur.



Division 2.2: Materials that are spontaneously combustible.

Example: Carbon, activated.



Division 2.3: Material that is dangerous when wet.

Examples: Lithium.

Hazardous Materials Classes

E. Class 5 (oxidizers and organic peroxides)

§ 49CFR 173.127 - Two Divisions:



Division 5.1:

Materials that are oxidizers.

Example: Hydrogen Peroxide.



Division 5.2:

Materials that are organic peroxide.

Example: Benzoyl Peroxide.

Hazardous Materials Classes

F. Class 6 (toxics) § 49CFR 173.132 - Two Divisions:



Division 6.1:

Materials that are toxic.

Example: Hydrogen Cyanide, Anhydrous.



Division 2.2:

Materials that are an infectious substance.

Example: Regulated Medical Waste.

Hazardous Materials Classes



G. Class 7 (radioactive material) § Subpart I:

Material having a specific radioactive activity greater than 0.002 microcuries.

Example: Plutonium



H. Class 8 (corrosives) § 49CFR 173.136:

Materials that cause visible destruction or irreversible alteration to human skin or corrosion to steel.

Example: Hydrochloric Acid



I. Class 9 (miscellaneous) § 49CFR 173.140:

Material which is a hazard, but which is not in any other class.

Example: Formaldehyde.

Packaging

Packaging

- The person who offers a hazardous material for transportation must utilize packaging that the meet the requirements of the HM Regulations
- Requirements apply to each person who manufactures, fabricates, marks, maintains, reconditions, repairs or tests a packaging or a component of a packaging that is represented, marked, certified or sold as qualified for use in the transportation of a HM in commerce

49 §173.24

General requirements for packaging and packages.

- (a) Applicability. Except as otherwise provided in this subchapter, the provisions of this section apply to (1) Bulk and non-bulk packaging; (2) New packaging and packaging which are reused; and (3) Specification and non-specification packaging.
- (b) Each package used for the shipment of hazardous materials under this subchapter shall be designed, constructed, maintained, filled, its contents so limited, and closed, so that under conditions normally incident to transportation:
- (1) Except as otherwise provided in this subchapter, there will be no identifiable (without the use of instruments) release of hazardous materials to the environment

Pre-Transportation Functions

- Requirements in the HMR apply to each person who:
 - offers a hazardous material for transportation in commerce,
 - causes a hazardous material to be transported in commerce, or
 - transports a hazardous material in commerce and
 - who performs or is responsible for performing a pre-transportation function, including each person performing pre-transportation functions under contract with any department, agency, or instrumentality of the executive, legislative, or judicial branch of the Federal government.
- Pre-transportation function include, but are not limited to, the following:
 1. Determining the hazard class of a Hazardous Material (HM);
 2. Selecting a hazardous materials packaging;
 3. Filling a hazardous materials packaging, including bulk packaging;
 4. Securing a closure on a filled or partially filled hazardous materials package or container or on a package or container containing a residue of a hazardous material.

Pre-Transportation Functions, cont.

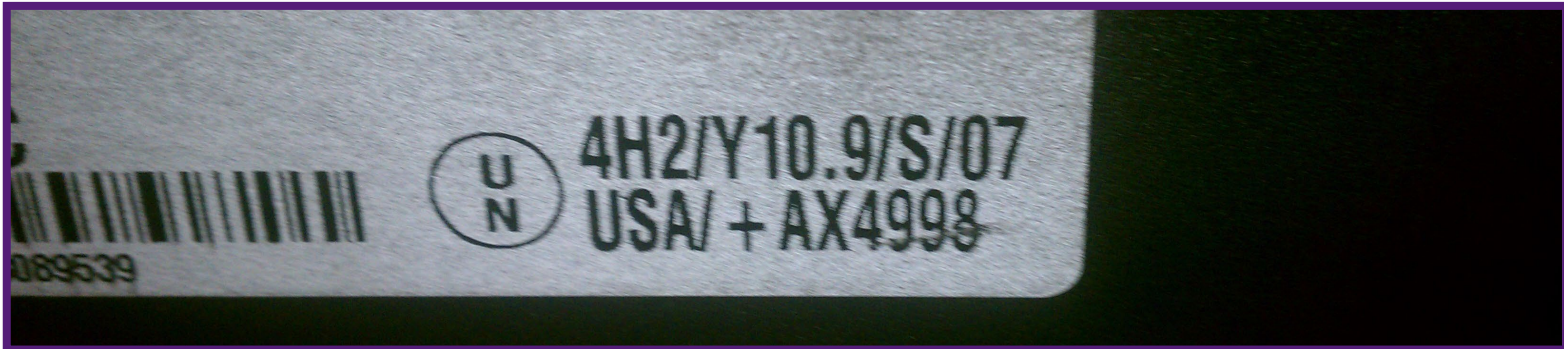
- Requirements in the HMR apply to each person who:
 - offers a hazardous material for transportation in commerce,
 - causes a hazardous material to be transported in commerce, or
 - transports a hazardous material in commerce and
 - who performs or is responsible for performing a pre-transportation function, including each person performing pre-transportation functions under contract with any department, agency, or instrumentality of the executive, legislative, or judicial branch of the Federal government.

Pre-Transportation Functions

Pre-transportation function include, but are not limited to, the following:

1. Determining the hazard class of a Hazardous Material (HM);
2. Selecting a hazardous materials packaging;
3. Filling a hazardous materials packaging, including bulk packaging;
4. Securing a closure on a filled or partially filled hazardous materials package or container or on a package or container containing a residue of a hazardous material.
5. Marking a package to indicate that it contains a HM;
6. Labeling a package to indicate that it contains a HM;
7. Preparing a shipping paper (manifest);
8. Providing and maintaining emergency response information;
9. Reviewing a shipping paper to verify compliance with the HMR;
10. Certifying that a HM is in proper condition for transportation in conformance with the requirements of the HMR;

Container Markings



Container Markings

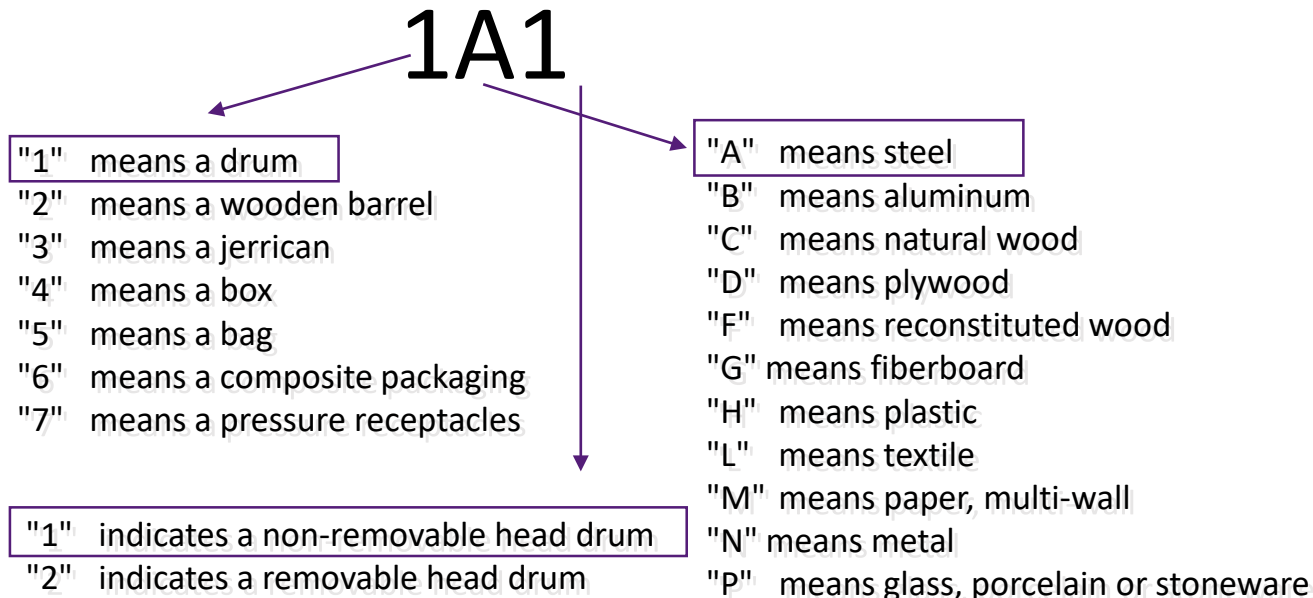
I. MARKINGS: Package markings by manufactures are significantly different. The following is an example of the amount of information that can be obtained from the manufacturer's marking on the package.



1A1 / Y1.4 / 150 / 83

USA / VL824 / mm

USA / RB / 10-85RL



Container Markings

- I. **MARKINGS:** Package markings by manufactures are significantly different. The following is an example of the amount of information that can be obtained from the manufacturer's marking on the package.



1A1 / Y1.4 / 150 / 83
USA / VL824 / mm
USA / RB / 10-85RL

Y1.4

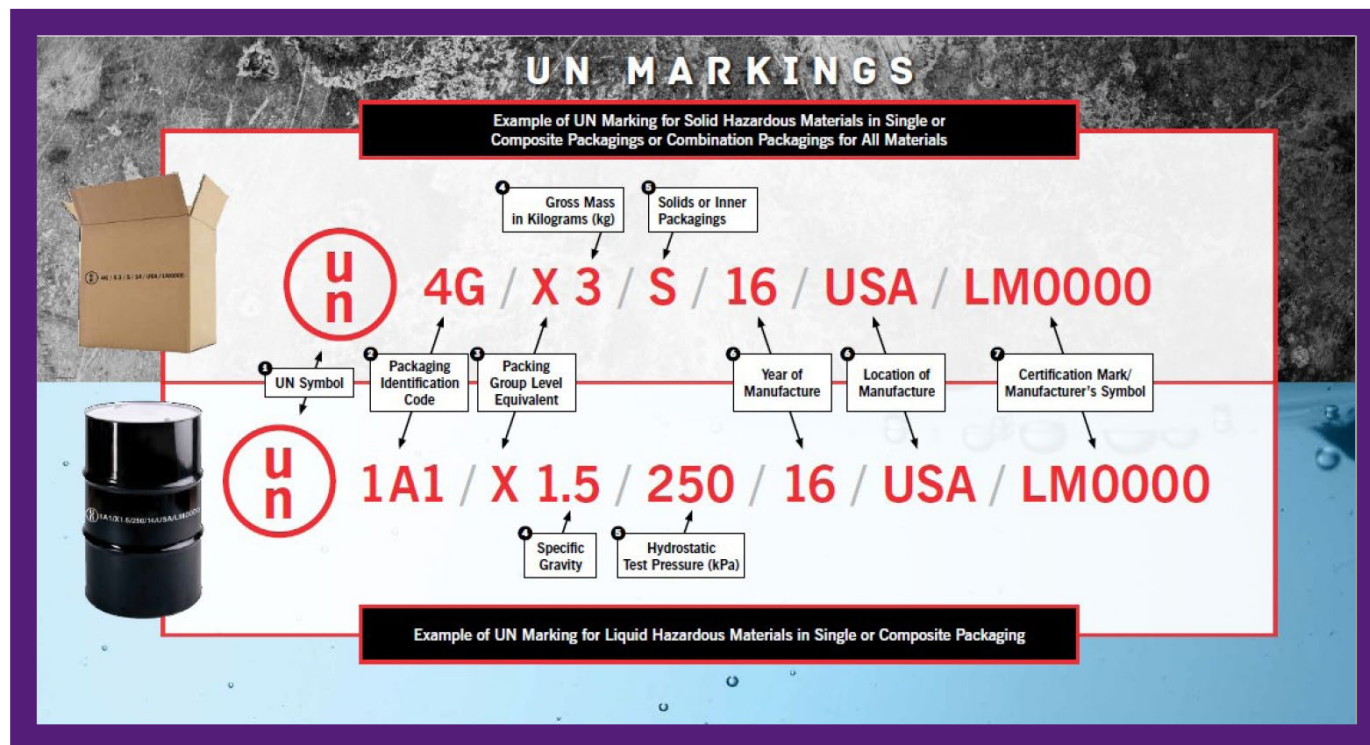
"X" packaging meeting Packing Group I, II and III tests.

"Y" packaging meeting Packing Group II and III tests.

"Z" packaging meeting Packing Group III tests.

"1.4" is the specific gravity of the material for which the packaging was tested.

Container Markings, cont.



Container Markings, cont.

- I. **MARKINGS:** Package markings by manufactures are significantly different. The following is an example of the amount of information that can be obtained from the manufacturer's marking on the package.



1A1 / Y1.4 / 150 / 83
USA / VL824 / mm
USA / RB / 10-85RL

150

Test pressure
rounded to
the nearest
10lbs. KPA

83

Year of
Manufacturing

USA

Country of
Manufacturing

L82

Code of
Manufacturer
VL824

Container Markings, cont.

- I. **MARKINGS:** Package markings by manufactures are significantly different. The following is an example of the amount of information that can be obtained from the manufacturer's marking on the package.



1A1 / Y1.4 / 150 / 83

USA / VL824 / mm

USA / RB / 10-85RL

1MM

The minimum thickness of material for metal or plastic drums or jerricans intended for reuse or reconditioning as single containers
"1mm"

USA

The country where reconditioning was performed

RB

The symbol of the reconditioner
"RB"

1085-RL

"10-85"
The month and year of reconditioning
"R " the drum was reconditioned
"L " the package successfully passed the leakproof test

Hazardous Materials Table

Hazardous Table – 49 CFR 172.101

- Both a regulatory standard and a useful guide.

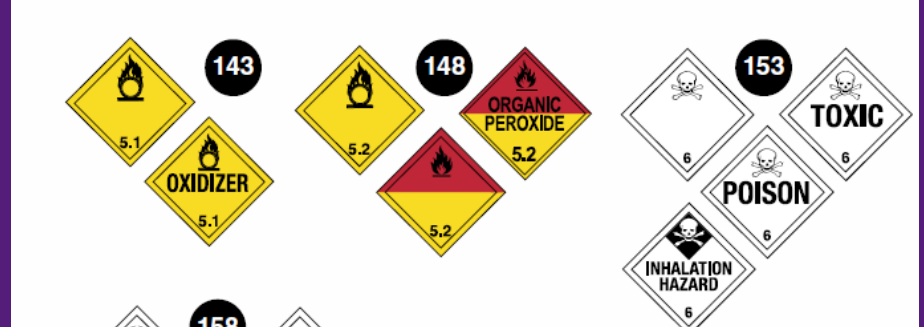
§ 172.101 HAZARDOUS MATERIALS TABLE													
Sym-bols (1)	Hazardous materials descrip-tions and proper shipping names (2)	Hazard class or Di- vision (3)	Identifica- tion Num- bers (4)	PG (5)	Label Codes (6)	Special provisions (§172.102) (7)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
A	Accellerene, see p- Nitrosodimethylaniline.	.....			.....		.....	.....	.....	.....	.....		.....
	Accumulators, electric, see Bat- teries, wet etc.	.....			.....		.....	.....	.....	.....	.....		.....
	Accumulators, pressurized, pneumatic or hydraulic (con- taining non-flammable gas)												
	see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas)												
	Acetal	3	UN1088	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....
	Acetaldehyde	3	UN1089	I	3	A3, B16, T11, TP2, TP7	None	201	243	Forbidden	30 L	E	.....
	Acetaldehyde ammonia	9	UN1841	III	9	IB8, IP6	155	204	240	200 kg	200 kg	A	34
	Acetaldehyde oxime	3	UN2332	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	.....
	Acetic acid, glacial or Acetic	8	UN2789	II	8, 3	A3, A6, A7, A10	154	202	243	1 L	30 L	A	.....

Column 1 - Applicability

Symbol	Definition
+	The proper shipping name is fixed.
A	Regulated only when transported by air.*
W	Regulated only when transported by water.*
D	The PSN shown is only for domestic shipments.
I	The PSN is appropriate for international shipments.
G	Identifies proper shipping name for which one or more of the technical names of the material must be entered in parenthesis in association with the basic description.
* Unless HW or HS, which are regulated in all modes.	

Columns	Definition
Column 2 Proper Shipping Name	Lists Proper Shipping Name (PSN) of hazardous materials. The shipper must determine the PSN for a material, using this table and HM defining criteria. Words in italics adjacent to the PSN may be included as additional information.
Column 3 Hazard Class	The materials numerical hazard class or division.
Column 4 ID Number	Shows the hazard identification number (ID#). “UN” (United Nations) is authorized for all shipments. “NA” is authorized only for North America shipments.
Column 5 Packing Group	Shows the Packing Group (PG) for the material. Classes 2,7 and ORM-D materials are not assigned PGs. When >1 PG is listed, the shipper must use specific criteria to determine the PG.

Column 6 – Hazardous Labels



- Shows the hazard label that must be applied to the package.
- Some materials require multiple labels, in which case the first is the primary hazard, and others are subsidiary.

Hazardous Material Table

Sym-bols (1)	Hazardous materials descrip-tions and proper shipping names (2)	Hazard class or Di- vision (3)	Identifica- tion Num- bers (4)	PG (5)	Label Codes (6)	Special provi- sions (§ 172.102) (7)	(8) Packaging (§ 173.24) Exceptions Non- bulk Bulk (8A) (8B) (8C)			(9) Quantity limitations (see §§ 173.27 and 175.75) Passenger aircraft/rail Cargo air- craft only (9A) (9B)		(10) Vessel slow- age Loca- tion Other (10A) (10B)	

G	Flammable liquid, toxic, corro- sive, n.o.s..			3	UN3286	I	3, 6.1, 8.
						II	3, 6.1, 8.
G	Flammable liquids, corrosive, n.o.s..			3	UN2924	I	3, 8
						II	3, 8
						III	3, 8
G	Flammable liquids, n.o.s.			3	UN1993	I	3
						II	3
						III	3
G	Flammable liquids, toxic, n.o.s.			3	UN1992	I	3, 6.1
						II	3, 6.1
						III	3, 6.1
G	Flammable solid, corrosive, inor- ganic, n.o.s..			4.1	UN3180	II	4.1, 8
						III	4.1, 8

Hazardous Material Table, cont.

Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identification Numbers	PG	Label Codes
Medicine, liquid, flammable, toxic, n.o.s.	3	UN3248	II	3, 6.1
Flammable liquids, n.o.s.	3	UN1993	I II	3
Batteries, wet, filled with acid, electric storage.	8	UN2794	III	8

Hazardous Materials Table

Segregation Symbols §177.848 (e):

X

That these materials not be loaded, transported, or stored together in the same transport vehicle or storage facility during transportation.

O

That these materials may not be loaded, transported, or stored together in the same transport vehicle or storage facility during transportation unless separated in a manner that commingling of hazardous materials would not occur.

*

That segregation among different Class 1 (explosive) materials is governed by the compatibility table. That no restrictions apply.

A

That, notwithstanding the requirements of the letter “X”, ammonium nitrate (UN 1942) and Ammonium nitrate fertilizer may be loaded or stored with Division 1.1 (class A explosive) or Division 1.5 (blasting agents) materials.

Hazardous Materials Table

Segregation Symbols §177.848 (e):

SEGREGATION TABLE FOR HAZARDOUS MATERIALS

Class or division	Notes	1.1 1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3 gas zone A	2.3 gas Zone B	3	4.1	4.2	4.3	5.1	5.2	6.1 liq- uids PG I zone A	7	8 liquids only
Explosives	1.1 and 1.2	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Explosives	1.3		X	X	X	X	X		X	X	X		X	X	X	X	X		X
Explosives	1.4		X	X	X	X	O		O	O	O		O				O		O
Very insensitive explo- sives.	1.5	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Extremely insensitive explosives.	1.6		X	X	X	X													
Flammable gases	2.1		X	X	O	X			X	O							O	O	
Non-toxic, non-flam- mable gases.	2.2		X		X														
Poisonous gas Zone A	2.3		X	X	O	X	X				X	X	X	X	X	X			X
Poisonous gas Zone B	2.3		X	X	O	X	O				O	O	O	O	O	O			O
Flammable liquids	3		X	X	O	X			X	O					O		X		
Flammable solids	4.1		X		X				X	O							X		O
Spontaneously combus- tible materials.	4.2		X	X	O	X			X	O							X		X
Dangerous when wet materials.	4.3		X	X		X			X	O							X		O
Oxidizers	5.1	A	X	X		X			X	O	O						X		O
Organic peroxides	5.2		X	X		X			X	O							X		O
Poisonous liquids PG I Zone A.	6.1		X	X	O	X	O				X	X	X	X	X	X			X
Radioactive materials ...	7		X			X	O												
Corrosive liquids	8		X	X	O	X			X	O		O	X	O	O	O	X		

Hazardous Waste Manifest

Uniform Hazardous Waste Manifest

I. Instructions for Appendix to Part 172:

- *Uniform Hazardous Waste Manifest And Instructions (EPA Form 8700-22):*
- *Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to use this form (8700-22) and, if necessary, the continuation sheet (Form 8700-22A) for both inter and intrastate transportation. Federal regulations also require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete the form.*
- *The following statement must be included with each Uniform Hazardous Waste Manifest, either on the form, in the instructions to the form, or accompanying the form:*
- *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 regarding the burden estimate, including suggestions for reducing this burden, to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.*

Uniform Hazardous Waste Manifest

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

<div style="text-align: center;">↑</div>	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number FLR000051045	2. Page 1 of 1	3. Emergency Response Phone 863-494-3535	4. Manifest Tracking Number 010788472 JJK
--	---	--	-------------------	---	--

5. Generator's Name and Mailing Address

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

<div style="text-align: center;">↑</div>	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number VSQG
--	---	--------------------------------

5. Generator's Name and Mailing Address

Item 1:	Generator's U.S. EPA twelve-digit identification number.
Item 2:	Page 1 of _____. Enter the total number of pages used to complete this Manifest, i.e., the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any.
Item 3:	Generator's Emergency Response Phone Number. Phone number that the generator can be contacted at if there are problems with the shipment.
Item 4:	Manifest Tracking Number. The manifest numbers are preprinted per new regulations as manifests must be printed by an authorized vendor registered with the EPA.

Uniform Hazardous Waste Manifest

5. Generator's Name and Mailing Address XYZ Cancer 123 Main Street Tampa FL 33550 Generator's Phone: 800 123-4567	Generator's Site Address (if different than mailing address)
6. Transporter 1 Company Name	11. EPA ID#

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 5:	Generator's Name & Mailing Address Enter the name and mailing address of the generator. The address should be the location that will manage the returned manifest forms.
	Generators Phone Number Enter a telephone number where an authorized agent of the generator can be reached in the event of an emergency.
	Generators Site Address (if different from the mailing address) Used if the site address is different from the mailing address of the generator.
Item 6:	Transporter 1 Company Name and EPA ID# Enter the company name and EPA ID# of the first transporter who will transport the waste.

Uniform Hazardous Waste Manifest

6. Transporter 1 Company Name SmithTransport	U.S. EPA ID Number FLR555666777
7. Transporter 2 Company Name	U.S. EPA ID Number

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 7:

Transporter 2 Company Name

If applicable, enter the company name of the second transporter who will transport the waste. If more than two transporters are used to transport the waste, use a Continuation Sheet(s) (EPA Form 8700-22A) and list the transporters in the order they will be transporting the waste.

If applicable, enter the U.S. EPA twelve-digit identification number of the second transporter identified in item 7.

Note: If more than two transporters are used, enter each additional transporter's company name and U.S. EPA twelve-digit identification number in items 24-27 on the Continuation Sheet (EPA Form 8700-22A). Each Continuation Sheet has space to record two additional transporters. Every transporter used between the generator and the designated facility must be listed.

Uniform Hazardous Waste Manifest

8. Designated Facility Name and Site Address AAA Environmental 999 1st Street Miami FL 33010 Facility's Phone: 305 888-3041	U.S. EPA ID Number FLD088400091
---	------------------------------------

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 8:

Designated Facility Name, Site Address & Phone Number

Enter the company name , site address and phone number of the facility designated to receive the waste listed on this Manifest. The address must be the site address, which may differ from the company mailing address.

U.S. EPA ID Number

Enter the U.S. EPA twelve-digit identification number of the designated facility identified in item 8.

Uniform Hazardous Waste Manifest

9a. 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 Vol./Vol.	13. Waste Codes		
		No.	Type					
	1-UN3248, Medicine, liquid, flammable, toxic, n.o.s. (Universal Pharmaceutical Waste) 3 (6.1), PGII, LTD QTY		CF CF		P	NONE		
X	1-UN3248, Medicine, liquid, flammable, toxic, N.O.S. 3 (6.1), PGII, (Phenol, Methanol)		DF		P	D001 U059	U010 U129	D024 P001

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 9b:

U.S. DOT Description (Proper Shipping Name, Hazard Class and ID#)

Enter the U.S. DOT Proper Shipping Name, Hazard Class, and ID Number (UN/NA) for each waste as identified in 49 CFR 171 through 177.

Note: If additional space is needed for waste descriptions, enter these additional descriptions in item 28 on the Continuation Sheet (EPA Form 8700-22A).

13. Waste Codes		
Pharm	(new)	
Or "PHRM" is allowed		

***TBD – Barry To research**

Uniform Hazardous Waste Manifest

9a. 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 UN1993, WASTE Flammable liquids, n.o.s.(Xylene, Alcohol) 3, PGII	001	DF	00055	G	D001	F003	
X	² UN3028, Batteries, dry, containing potassium hydroxide solid 8, PGIII	002	DF	00100	P	NONE		
	³ Fluorescent lamps for recycling, non-regulated per 49CFR 173.164	001	CF	00030	P	NONE		
	⁴ Non DOT/Non RCRA Regulated Liquids (10% Buffered Formalin)	001	DF	00030	G	NONE		

Item 10. Containers (Number and Type)

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

Table I-Types of Containers

DM = Metal drums, barrels, kegs

DW = Wooden drums, barrels, kegs

DF = Fiberboard or plastic drums, barrels, kegs

TP = Tanks portable

TT = Cargo tanks (tank trucks)

TC = Tank cars

DT = Dump truck

CY = Cylinders

CM = Metal boxes, cartons, cases (including roll-offs)

CW = Wooden boxes, cartons, cases

CF = Fiber or plastic boxes, cartons, cases

BA = Burlap, cloth, paper or plastic bags

Uniform Hazardous Waste Manifest

9a. 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-NA3077, Hazardous waste, solid, n.o.s. (Mercury) 9, PGIII	001	DM	00450	P	D009

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 11:	Total Quantity Enter the total quantity of waste described on each line.	
Item 12:	Unit (Wt./Vol.) Enter the appropriate abbreviation from Table II (below) for the unit of measure.	
	G = Gallons (liquids only) T = Tons (2000 lbs.) Y = Cubic Yards	L = Liters (liquids only) K = Kilograms P = Pounds N = Cubic Meters
Item 13:	Waste Codes	

Uniform Hazardous Waste Manifest

14. Special Handling Instructions and Additional Information

1) ERG#128 2) ERG#154 3) 4)

1) Profile #: 2345678

Emergency Spill Response: CHEMTREC (1-800-424-9300) CCN 851124

I. Instructions for Appendix to Part 172:

Uniform Hazardous Waste Manifest & Instructions

(EPA Form 8700-22): Generators Section:

Item 14:

Special Handling Instructions and Additional Information

Generators may use this space to indicate special transportation, treatment, storage, or disposal information or Bill of Lading information. States may not require additional, new, or different information in this space. For international shipments, generators must enter in this space the point of departure (City and State) for those shipments destined for treatment, storage, or disposal outside the jurisdiction of the United States.

Uniform Hazardous Waste Manifest

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/Offeror's Printed/Typed Name	Signature	Month	Day	Year

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 15:

Generators Certification

- Generator must read, sign (by hand), and date the certification statement.
- In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements.
- Generators may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator certifications.
- Note: All the above information except the handwritten signature required in item 16 may be preprinted.

Uniform Hazardous Waste Manifest

INT'L	16. International Shipments		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____	
	Transporter signature (for exports only):				Date leaving U.S.: _____	
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name		Signature		Month	Day Year
	Transporter 2 Printed/Typed Name		Signature		Month	Day Year

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

- | | |
|----------|---|
| Item 16: | International Shipments
Enter the information concerning the import and export of materials. |
| Item 17: | Transporter 2 Acknowledgement of Receipt of Materials
<i>Enter the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.</i>
Transporter 2 Acknowledgement Of Receipt Of Materials
<i>Enter, if applicable, the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.</i> |

Uniform Hazardous Waste Manifest

NATED FACILITY	18. Discrepancy				
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
	Manifest Reference Number:				
	18b. Alternate Facility (or Generator) U.S. EPA ID Number				
	Facility's Phone:				
	18c. Signature of Alternate Facility (or Generator)				
				Month	Day
				Year	

Owners & Operators of Treatment, Storage, or Disposal Facilities Section

Item 18a:

Discrepancy Indication Space

- The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any significant discrepancy between the waste described on the Manifest and the waste actually received at the facility.
- Owners and operators of facilities located in unauthorized States (i.e., the U.S. EPA administers the hazardous waste management program) who cannot resolve significant discrepancies within 15 days of receiving the waste must submit to their Regional Administrator (see list below) a letter with a copy of the Manifest at issue describing the discrepancy and attempts to reconcile it (40 CFR 264.72 and 265.72).
- Owners and operators of facilities located in authorized States (i.e., those States that have received authorization from the U.S. EPA to administer the hazardous waste program) should contact their State agency for information on State Discrepancy Report requirements.

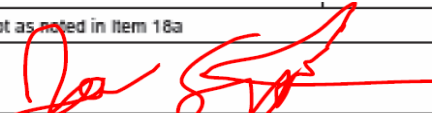
Uniform Hazardous Waste Manifest

18b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				
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)				
1.	2.	3.	4.	
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		Signature		Month Day Year

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

Item 18b:	<p>Alternate Facility Generator</p> <p>Enter the name, address, phone number, and EPA Identification Number of the Alternate Facility which the rejecting TSDF has designated, after consulting with the generator, to receive a fully rejected waste shipment. If a fully rejected shipment is being returned to the generator, the rejecting TSDF may enter the generator's site information in this space. This field is not to be used to forward partially rejected loads or residue waste shipments.</p>
Item 18c:	<p>Signature of alternate Facility (or Generator)</p> <p>The authorized representative of the alternate facility (or the generator in the event of a returned shipment) must sign and date this field of the form to acknowledge receipt of the fully rejected wastes or residues identified by the initial TSDF.</p>

Uniform Hazardous Waste Manifest

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	Signature	Month	Day Year
JOSEPH L. SMITH		8	15 19

I. Instructions for Appendix to Part 172: Uniform Hazardous Waste Manifest & Instructions (EPA Form 8700-22): Generators Section:

- | | |
|-----------------|--|
| Item 19: | <p>Hazardous Waste Report Management Codes</p> <p>Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first treatment, storage, or disposal facility (TSDF) that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the TSDF.</p> |
| Item 20: | <p>Designated Facility Owner or Operator Certification of Receipt (Except as noted in 18a)</p> <p>Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste Described on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting TSDF as offeror of the shipment.</p> |

Labeling

[illegible]

51

Labeling Requirements

49 CFR 172 Subpart E

General Requirements:

- The label must be on the same surface and near the proper shipping name (it may be placed on a tag under certain circumstances; see 172.406);
- Each package must be labeled as required by Column 6 of the HM Table (§172.101);
- The appropriate class or division # must be displayed in the lower corner of the label for primary hazard and for any subsidiary hazard label; *the number listed first in Column 6 is the primary hazard.*



Labeling Requirements

49 CFR 172 Subpart E

General Requirements:

- When 2 or more labels are required, they must be within 6 inches of each other.
- When HMs of different classes are in the same package, the label for each class must be affixed (note: the materials must be compatible).
- PIH materials must be labeled as a poison (or poison gas, if applicable).
- Labels must be clearly visible and unobscured.
- Labels must have a background of contrasting color, or a line outer border.



Carriers must keep a supply of labels to replace lost or damaged labels. Labels must be durable and weather resistant; specifications for the manufacture of labels are provided in the regulations.

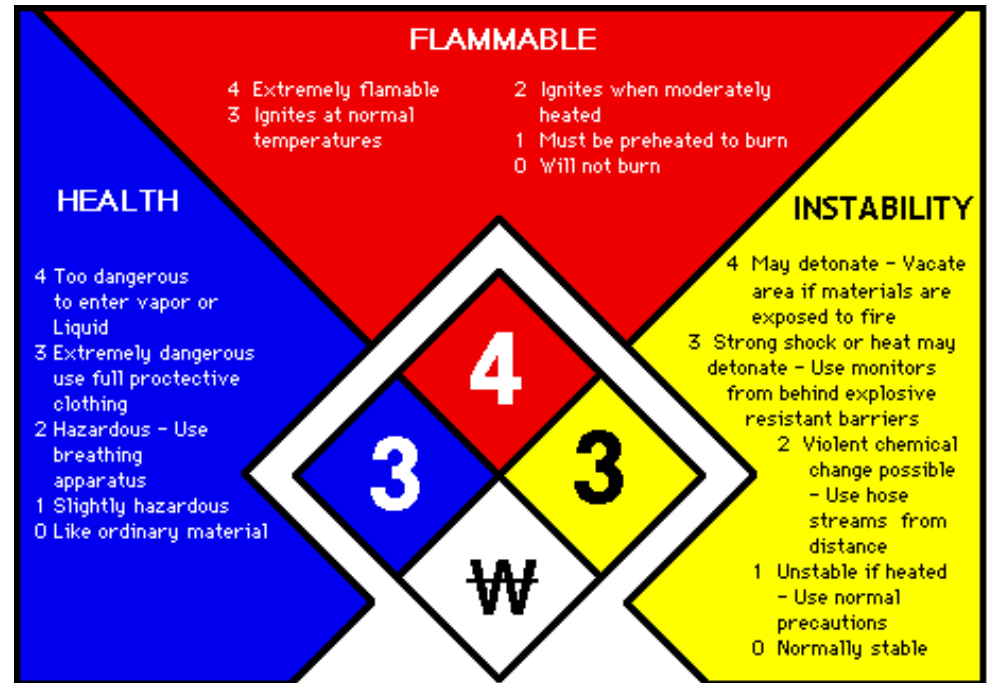
A yellow rectangular label with a black border. At the top, it says "HAZARDOUS WASTE" in large black letters. Below that, it says "FEDERAL AND/OR STATE LAW PROHIBIT IMPROPER DISPOSAL." and "IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY, THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION." There are fields for "ACCUMULATION START DATE", "EPA WASTE NO.", "D.O.T. PROPER SHIPPING NAME", "AND", "U.N. OR N.A. NO.", "GENERATOR NAME", "ADDRESS", "CITY", "STATE", "E.P.A. ID NO.", and "MANIFEST DOCUMENT NO.". At the bottom, it says "HAZARDOUS WASTE HANDLE WITH CARE" in red letters.A red and white rectangular label. The top half is red with "HAZARDOUS WASTE" in white. The bottom half is white with a red border. It contains fields for "ACCUMULATION START DATE", "CONTENTS", and "HANDLE WITH CARE! CONTAINS HAZARDOUS OR TOXIC WASTES".A green and white rectangular label. The top half is green with "NON-HAZARDOUS WASTE" in white. The bottom half is white with a green border. It contains a section for "OPTIONAL INFORMATION" with fields for "SHIPPER", "ADDRESS", and "CITY, STATE, ZIP".A purple and white rectangular label. The top half is purple with "UNIVERSAL WASTE" in white. The bottom half is white with a purple border. It contains fields for "CONTENTS:", "ACCUMULATION START DATE:", "SHIPPER:", "ADDRESS:", and "CITY, STATE, ZIP:". At the bottom, it says "UNIVERSAL WASTE" in large purple letters.

Emergency Response

- NFPA 704, Standard System for the Identification of the Hazards of Materials for Emergency Response, was developed as a manual by the Sectional Committee on Classification, Labeling and Properties of Flammable Liquids of the NFPA Committee on Flammable Liquids starting in 1952.
- Its first adoption as a guide occurred in 1961, with regular revisions being adopted through 1987. In 1990 it became an NFPA standard, and extensive quantitative health hazard rating criteria were introduced.
- The purpose of the standard, as originally conceived, is to safeguard the lives of those individuals who respond to emergencies occurring in an industrial plant or storage location, or other location where relatively large quantities of chemicals are used, and where the hazards of materials are not readily apparent.

NFPA 704

Labeling System



Fire Hazard / Flammability (Red)

4. Flash Point Below 73° F: This substance is very flammable, volatile or explosive depending on its state. **Example: Propane**

3. Flash Point Below 100° F: Flammable, volatile or explosive under almost all normal temperature conditions. Exercise great caution in storing or handling these materials. **Example: Gasoline**

2. Flash Point Below 200° F: Moderately heated conditions may ignite this substance. Caution procedures should be employed with handling. **Example: Diesel Fuel**

1. Flash Point Above 100° F: This substance must be preheated to ignite. Most Combustible solids would be in this category. **Example: Corn Oil**

0. Will Not Burn: Substances will not burn. **Example: Water**

Health Hazard (Blue)

4. Deadly: Even the slightest exposure to this substance would be life threatening. Only specialized protective clothing, for these materials, should be worn. **Example: Hydrogen Cyanide**

3. Extreme Danger: Serious injury would result from exposure to this substance. Do not expose any body surface to these materials. Full protective measures should be taken. **Example: Chlorine Gas**

2. Dangerous: Exposure to this substance would be hazardous to health. Protective measures are indicated. **Example: Ammonia Gas**

1. Slight Hazard: Irritation or minor injury would result from exposure to this substance. Protective measures are indicated. **Example: Turpentine**

0. No Hazard: Exposure to this substance offers no significant risk to health. **Example Peanut Oil**

Reactivity / Instability (Yellow)

4. May Detonate: Substances that are readily capable of detonation or explosion at normal temperatures and pressures. Evacuate area if exposed to heat or fire. **Example: TNT**

3. Explosive: Substances that are readily capable of detonation or explosion by a strong initiating source, such as heat, shock or water. Monitor from behind explosion-resistant barriers.

2. Unstable: Violent chemical changes are possible at normal or elevated temperatures and pressures. Potentially violent or explosive reaction may occur when mixed with water. Monitor from a safe distance.

1 Normally Stable: Substances that may become unstable at elevated temperatures and pressures or when mixed with water. Approach with caution.

0 Stable: Substances will remain stable when exposed to heat, pressure or water.
Example : Liquid Nitrogen

Special Hazard (White)



Radioactive



Corrosive



Poison



Flammable Solids



Flammable
Gas or Liquid



Oxidizer



Biohazard



Dangerous
When Wet

ACID - Indicates an acid
ALK - Indicates an alkali or base
COR - Indicates the chemical is corrosive

OX: Strong Oxidizer
~~W~~: Water Reactive

Emergency Response

No person may offer for transportation, except for transportation, transfer, store or otherwise handle during transportation a HM unless:

1. Emergency Response (ER) is available for use the HM is present; and
2. ER, including the ER phone number, must be immediately available to any person who responds to an incident or conducting an investigation involving a HM.
3. ER information means any information that can be used in the mitigation of an incident involving HM and must contain:
 - the description of the HM
 - immediate hazards to health
 - risks of fire or explosion
 - immediate precautions to take in the event of an accident or incident
 - initial methods for handling small or large fires
 - initial methods for handling spills or leaks
 - preliminary first-aid measures

Emergency Response Guidebook

Updated Every 4 Years

- 2020 is the most current version

Advantages

- Portable
- Easy to Use

Purpose

- A Guide to Aid First Responders
- Use to Identify or Classify Material
- To Protect Responders and the Public

Limitations

- Must Know How to Use It
- Designed for Transportation Incidents
- Doesn't Account for Mixtures of Chemicals



Emergency Response Guide

Steps for Proper Use

- Recognize & Identify Hazardous Materials
 - Name
 - Four-digit ID number
 - Placard description
- Look up the guide page number
- Take basic protective actions according to the guide page
- Initiate isolation and evacuation according to protective action distances



Emergency Response Guidebook Overview

White Pages - General Information

- Includes pictures of placards with
- Guide #'s

Yellow Pages

- Look Up by UN/NA 4 digit # (Found on
- Placard, Shipping Paper, Package)

Blue Pages

- Look Up by Name of Material

Orange Pages

- Response Guides

Green Pages

- Initial Isolation & Protective Action Distances



Security Awareness

Security Awareness

- Be alert when entering and leaving a customer's property.
- Be alert to your surroundings. Avoid being boxed in. Where possible leave room in front of and behind your vehicle.
- When stopped, leave your vehicle in a secure parking lot, if possible
- Never leave your vehicle running with the keys in it; shut off the engine, remove the ignition key and lock the doors.
- Always secure the cargo door.
- Perform a quick walk-around to check your vehicle for foreign objects after all stops.
- Make sure you have working, communication devices (ie: mobile phone) to contact the dispatcher and emergency officials.
- Make sure you have a properly, completed manifest for all containers being transported.

Security Awareness

- When you are questioned about hazardous material transportation it is important that you know the person asking and that he or she has a need to know.
- Casual discussion with strangers along transportation routes about loads and destinations are discouraged by general security standards.
- Many materials that are classified as hazardous materials are essential products to industry, but potential deadly weapons in the hands of a terrorist.
- Be aware that Hazardous Materials are the most vulnerable while in transit.

Questions?

