

TRAINING MODULES

MODULE ONE

HAZARDOUS MATERIALS TRANSPORTATION TRAINING MODULES: COMPLIANCE & ENFORCEMENT

GENERAL AWARENESS & FAMILIARIZATION



HAZARDOUS MATERIALS PUBLISHING

Training Modules



Hazardous Material General Awareness & Familiarization

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GENERAL AWARENESS & FAMILIARIZATION LEADER GUIDE MODULE ONE

INTRODUCE YOURSELF AND ESTABLISH THE OBJECTIVES OF THE SESSION YOU ARE CONDUCTING.

<SAY>: THIS SESSION WILL DEAL WITH THE DOT REQUIREMENTS FOR GENERAL AWARENESS, THE FIRST OF THE FOUR LEVELS OF TRAINING FOR HAZMAT EMPLOYEES.

(OPTIONAL) BEFORE WE START THIS SESSION, I WANT YOU TO TURN TO THE GENERAL AWARENESS & FAMILIARIZATION PRE-TEST ON PAGE 1 IN THE MODULE 1 – STUDENT MANUAL. NOW THAT EVERYONE HAS TURNED TO THE QUESTIONNAIRE, I WANT EACH PERSON TO ANSWER THE QUESTIONNAIRE, BASED ON HIS OR HER CURRENT KNOWLEDGE OF THE REGULATIONS. DO NOT GO BEYOND THE PRE-TEST QUESTIONNAIRE. WHEN YOU ARE FINISHED, LOOK UP. (OPTIONAL PRE-TEST MAY BE USED TO FAMILIARIZE ATTENDEES WITH THE MATERIAL TO BE COVERED AND THE TYPES OF QUESTIONS THEY WILL BE ABLE TO ANSWER FOLLOWING THE CLASS.)

[PP]: **GENERAL AWARENESS & FAMILIARIZATION**
FUNCTION-SPECIFIC
SAFETY
SECURITY AWARENESS

<SAY>: FOUR AREAS ARE SPECIFICALLY COVERED IN THE TRAINING REQUIREMENTS IN 172.700. THEY ARE GENERAL AWARENESS & FAMILIARIZATION; FUNCTION-SPECIFIC; SAFETY; AND SECURITY AWARENESS. THIS PROGRAM IS DESIGNED TO MEET THE GENERAL AWARENESS AND FAMILIARIZATION REQUIREMENTS AND TO PROVIDE A TESTING PROCEDURE WHICH WILL ALLOW THE COMPANY, YOU AND ME TO MEET THE TRAINING REQUIREMENTS.

THIS PROGRAM IS NOT DESIGNED TO TEACH YOU THE REGULATIONS, BUT TO MAKE YOU AWARE OF THE REGULATIONS. FUNCTION-SPECIFIC; SAFETY; AND SECURITY WILL BE COVERED IN-DEPTH IN OTHER PROGRAMS.

[PP]: HAZARDOUS MATERIALS REGULATIONS - SUBPART C PART 171

<SAY>: THE DOT HAZMAT REGULATIONS ARE FOUND IN 49 CFR PARTS 171-180. THE MOST IMPORTANT PART IS 171, WHICH OUTLINES WHEN A MATERIAL BECOMES REGULATED AS A HAZARDOUS MATERIAL IN SECTION 171.1. (REVIEW 171/1(B) AND (C).) PART 171 ALSO COVERS HAZARDOUS WASTE IN 171.3 AND MARINE POLLUTANTS IN 171.4. THE ALL IMPORTANT DEFINITIONS ARE FOUND IN 171.8. (REVIEW THE DEFINITIONS OF HAZARDOUS MATERIAL AND HAZARDOUS WASTE.) FOR EXAMPLE, THE DEFINITION OF HAZARDOUS MATERIAL STATES THAT A MATERIAL BECOMES REGULATED UNDER DOT WHEN TRANSPORTED. AND THE DEFINITION OF HAZARDOUS WASTE INCLUDES ONLY MATERIALS THAT ARE SUBJECT TO THE EPA'S HAZARDOUS WASTE MANIFEST REQUIREMENTS. IN OTHER WORDS, DOT AUTHORITY BEGINS WHEN A MATERIAL IS SHIPPED, AND WOULD NOT INCLUDE MATERIALS IN YOUR FACILITY

SECTIONS 171.15 AND 171.16 ALSO COVER HAZMAT INCIDENT REPORTS, BOTH THE IMMEDIATE AND WRITTEN NOTIFICATIONS. FINALLY, PART 171 OUTLINES THE USE OF INTERNATIONAL REGULATIONS IN 171.22 THROUGH 171.26, INCLUDING IMDG, ICAO AND TDG REGULATIONS.

[PP]: HMR CONTINUED IN PART 172

SUBPART B - HAZARDOUS MATERIALS TABLE AND SPECIAL PROVISIONS

<SAY>: THE 172.101 HAZARDOUS MATERIALS TABLE PROVIDES SHIPPING DESCRIPTIONS FOR HAZARDOUS MATERIALS AND WASTE - UN ID NUMBER, PROPER SHIPPING NAME, HAZARD CLASS, PACKING GROUP, HAZARD CLASS LABELS, PLACARDS, PACKAGING REQUIREMENTS, AND AIR OR WATER LIMITATIONS. HOW TO USE THE TABLE IS DESCRIBED IN ANOTHER MODULE, AND MAY BE REQUIRED AS PART OF THE FUNCTION-SPECIFIC TRAINING.

[PP]: SUBPART C - 172.200 - SHIPPING PAPERS

<SAY>: THIS SUBPART OUTLINES THE INFORMATION NECESSARY FOR COMPLETING SHIPPING PAPERS AND SHIPPING PAPER INFORMATION FOR HAZARDOUS MATERIALS AND WASTE. WHILE DOT DOES NOT REQUIRE DESIGNATED SHIPPING DOCUMENTS FOR HAZARDOUS MATERIALS, THEY DO REQUIRE THE EPA UNIFORM HAZARDOUS WASTE MANIFEST.

[PP]: SUBPART D - 172.300 - MARKING

<SAY>: THIS SUBPART COVERS THE SPECIFIC MARKINGS ON PACKAGINGS OF HAZARDOUS MATERIALS OR WASTE THAT ALERT ANY PERSON COMING INTO CONTACT WITH THEM OF THE DANGERS INVOLVED. PRIMARILY, THEY ARE WORDS, SYMBOLS, ID NUMBERS AND SIGNS THAT DESCRIBE THE SPECIFIC MATERIAL CONTAINED IN THE PACKAGING.

[PP]: SUBPART E - 172.400 - LABELING

<SAY>: 172.400 OUTLINES THE SPECIFIC HAZARD CLASS LABELS REQUIRED ON NON-BULK SHIPMENTS OF HAZARDOUS MATERIALS OR WASTE. NON-BULK IS ANY PACKAGING OF 119 GALLONS OR LESS. THE HAZARD CLASS LABELS ARE USED TO REVEAL THE SPECIFIC HAZARDS OF EACH SHIPMENT.

[PP]: SUBPART F - 172.500 - PLACARDING

<SAY>: 172.500 SPECIFIES THE REQUIRED PLACARDS ON BULK PACKAGING. TABLE 1 OUTLINES HAZARDOUS MATERIALS AND WASTE THAT REQUIRE PLACARDS FOR ANY QUANTITY. TABLE 2 OUTLINES HAZARDOUS MATERIALS OR WASTE THAT REQUIRE PLACARDING FOR 1001 POUNDS OR MORE ON A MOTOR VEHICLE, IN A FREIGHT CONTAINER OR RAIL CAR.

[PP]: SUBPART G - 172.600 - EMERGENCY RESPONSE

<SAY>: 172.600 OUTLINES THE REQUIRED EMERGENCY RESPONSE INFORMATION AND TELEPHONE NUMBERS THAT MUST BE PROVIDED TO CARRIERS AND TRANSPORTERS WHEN A SHIPPER OR GENERATOR OFFERS A HAZARDOUS MATERIAL OR WASTE FOR TRANSPORTATION.

[PP]: SUBPART H - 172.700 - TRAINING

<SAY>: 172.700 OUTLINES THE RESPONSIBILITY OF EVERY HAZMAT EMPLOYER TO TRAIN AND TEST ALL HAZMAT EMPLOYEES AND RETRAIN AND RETEST ALL HAZMAT EMPLOYEES EVERY THREE YEARS. AGAIN, TRAINING IS DIVIDED INTO FOUR AREAS:

[PP]: **GENERAL AWARENESS & FAMILIARIZATION**
FUNCTION-SPECIFIC
SAFETY
SECURITY AWARENESS

<SAY>: AND, OF COURSE, WE ARE MEETING THE FIRST REQUIREMENT AT THIS SEMINAR.

(NOTE: GIVE YOUR GROUP A BREAK TO STRETCH THEIR LEGS.)

<SAY>: NOW LET'S LOOK AT THE HAZARD CLASSIFICATIONS THAT ARE REGULATED BY DOT AND EXAMINE THE NUMERICAL DESIGNATIONS.

[PP]: **EXPLOSIVE 1.1**

<SAY>: EXPLOSIVES CLASS 1, DIVISION 1 - AN EXPLOSIVE WITH A MASS EXPLOSION HAZARD.

[PP]: **EXPLOSIVES 1.1**
EXPLOSIVES 1.2

<SAY>: **EXPLOSIVES CLASS 1, DIVISION 2 - AN EXPLOSIVE WITH PROJECTILE HAZARD.**

[PP]: **EXPLOSIVES 1.1**
EXPLOSIVES 1.2
EXPLOSIVES 1.3

<SAY>: EXPLOSIVES CLASS 1, DIVISION 3 - AN EXPLOSIVE THAT IS PREDOMINANTLY A FIRE HAZARD.

[PP]: **EXPLOSIVES 1.1**
EXPLOSIVES 1.2
EXPLOSIVES 1.3
EXPLOSIVES 1.4

<SAY>: EXPLOSIVES CLASS 1, DIVISION 4 - AN EXPLOSIVE WITH NO SIGNIFICANT BLAST HAZARD.

[PP]: **EXPLOSIVES 1.1**
EXPLOSIVES 1.2
EXPLOSIVES 1.3
EXPLOSIVES 1.4
EXPLOSIVES 1.5

<SAY>: EXPLOSIVES CLASS 1, DIVISION 5 IS A VERY INSENSITIVE EXPLOSIVE BLASTING AGENT.

[PP]: **EXPLOSIVES 1.1**
EXPLOSIVES 1.2
EXPLOSIVES 1.3
EXPLOSIVES 1.4
EXPLOSIVES 1.5
EXPLOSIVES 1.6

<SAY>: EXPLOSIVES CLASS 1, DIVISION 6 IS AN EXTREMELY INSENSITIVE DETONATING SUBSTANCE.

<SAY>: HAZARD CLASS 2 HAS THREE DIVISIONS:

[PP]: **FLAMMABLE GAS - CLASS 2, DIVISION 1**
NON-FLAMMABLE COMPRESSED GAS - CLASS 2, DIVISION 2
POISONOUS GAS - CLASS 2, DIVISION 3

<SAY>: HAZARD CLASS 3 HAS NO DIVISIONS. THE CLASS 3 MATERIALS ARE FLAMMABLE LIQUIDS AND COMBUSTIBLE LIQUIDS.

[PP]: **FLAMMABLE LIQUIDS**

<SAY>: HAZARD CLASS 4 HAS THREE DIVISIONS:

[PP]: **FLAMMABLE SOLID - CLASS 4, DIVISION 1**
SPONTANEOUSLY COMBUSTIBLE - CLASS 4, DIVISION 2
DANGEROUS WHEN WET - CLASS 4, DIVISION 3

<SAY>: HAZARD CLASS 5 HAS 2 DIVISIONS:

[PP]: **OXIDIZER - CLASS 5, DIVISION 1**
ORGANIC PEROXIDE - CLASS 5, DIVISION 2

<SAY>: HAZARD CLASS 6 HAS TWO DIVISIONS:

[PP]: **POISONOUS MATERIALS - CLASS 6, DIVISION 1**
INFECTIOUS SUBSTANCES - CLASS 6, DIVISION 2

<SAY>: HAZARD CLASS 7 COVERS ALL RADIOACTIVE MATERIALS.

[PP]: **RADIOACTIVE MATERIALS - CLASS 7**

<SAY>: HAZARD CLASS 8 INCLUDES ALL CORROSIVE LIQUIDS AND SOLIDS.

[PP]: **CORROSIVE MATERIALS - CLASS 8**

<SAY>: HAZARD CLASS 9 COVERS ALL MISCELLANEOUS HAZARDS THAT DO NOT EXHIBIT ANY OTHER DOT HAZARD CHARACTERISTIC, BUT ARE A HAZARDOUS WASTE OR HAZARDOUS SUBSTANCE.

[PP]: **MISCELLANEOUS HAZARDOUS MATERIALS - CLASS 9**

<SAY>: AND FINALLY, OTHER REGULATED MATERIALS - ORM-D

[PP]: **OTHER REGULATED MATERIALS - ORM-D**

<SAY>: WHAT HAZARDOUS MATERIALS OR WASTE DO WE HAVE AT THIS FACILITY THAT EXHIBIT ANY OF THESE CHARACTERISTICS?

[PP]: **(LIST YOUR HAZARDOUS MATERIALS OR WASTE)**

(NOTE: DEVELOP A LIST OF MATERIALS AND THEN TAKE PARTICIPANTS TO THE 172.101 HAZARDOUS MATERIALS TABLE AND CHECK TO SEE IF THEY ARE PROPER SHIPPING NAMES AND THE HAZARD CLASS.)

<SAY>: WHAT MATERIALS ARE REGULATED BY DOT ?

[PP]: **HAZARDOUS MATERIALS LISTED BY NAME IN 172.101**

HAZARDOUS MATERIALS MEETS ONE OF THE 9 HAZARD CLASSES

HAZARDOUS SUBSTANCES

EPA HAZARDOUS WASTES,

MARINE POLLUTANT AND;

ELEVATED TEMPERATURE MATERIALS

<SAY>: WHAT IS A HAZARDOUS MATERIAL? (HAVE PARTICIPANTS GO TO 171.8 FOR DEFINITION.)

<SAY>: A HAZARDOUS MATERIAL IS ANY MATERIAL OR SUBSTANCE THAT IS CAPABLE OF POSING AN UNREASONABLE RISK TO HEALTH, SAFETY OR PROPERTY WHEN TRANSPORTED IN COMMERCE.

WHAT IS A HAZARDOUS SUBSTANCE? (SEE 171.8)

A HAZARDOUS SUBSTANCE IS A MATERIAL LISTED BY NAME IN APPENDIX A TO THE 172.101 HAZARDOUS MATERIALS TABLE AND IS IN A QUANTITY THAT EQUALS OR EXCEEDS THE LISTED "RQ" VALUE IN ONE CONTAINER OR PACKAGING.

WHAT IS A HAZARDOUS WASTE? (SEE 171.8)

A HAZARDOUS WASTE IS ANY MATERIAL SUBJECT TO THE HAZARDOUS WASTE MANIFEST REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY SPECIFIED IN 40 CFR PART 262.

[PP]: **PRIMARY HAZARD**

(ANSWER: HAZARD CLASS ASSIGNED TO THE MATERIAL IN COLUMN 3 OF THE 172.101 TABLE.) **<SAY>**: WHAT IS THE PRIMARY HAZARD?

[PP]: SUBSIDIARY HAZARD

<**SAY**>: WHAT IS A SUBSIDIARY HAZARD?

A SUBSIDIARY HAZARD MEANS A HAZARD OF THE MATERIAL OTHER THAN ITS PRIMARY HAZARD. SUBSIDIARY HAZARDS ARE GENERALLY DETERMINED BY CHECKING COLUMN 6 OF THE 172.101 HAZARDOUS MATERIALS TABLE, WHERE IT INDICATES ADDITIONAL LABEL REQUIREMENTS.

[PP]: PART 172 - HAZARDOUS MATERIALS TABLE

<**SAY**>: TO THIS POINT, WE HAVE COVERED IMPORTANT DEFINITIONS RELATED TO THE MATERIALS WE PREPARE, OFFER OR TRANSPORT. NOW LET'S EXAMINE HOW WE DETERMINE THE HAZARD COMMUNICATION INFORMATION IN PREPARING HAZARDOUS MATERIALS OR WASTE FOR TRANSPORTATION. LET'S START WITH THE 172.101 HAZARDOUS MATERIALS TABLE. TO DETERMINE THE SPECIFIC DOT SHIPPING DESCRIPTION, WE MUST CONSULT THE INFORMATION DOT HAS PROVIDED IN THE TABLE.

[PP]: PROPER DOT SHIPPING NAME

<**SAY**>: THE SHIPPING NAMES IN COLUMN 2 ARE THE ONLY NAMES THAT CAN BE USED FOR HAZARDOUS MATERIALS OR WASTE SHIPMENTS. THERE ARE NO OTHER ACCEPTABLE NAMES. SO IF A NAME DOES NOT APPEAR ON THE 172.101 TABLE, DON'T USE IT.

[PP]: THERE ARE 4 DIFFERENT PROPER SHIPPING NAMES IN THE TABLE;

TECHNICAL/CHEMICAL NAMES, LIKE; "ACETONE"

END-USE NAMES LIKE; 'PAINT" OR "COATING SOLUTIONS" AND;

SPECIFIC OR GENERIC N.O.S. OR "NOT OTHERWISE SPECIFIED" NAMES; LIKE ALCOHOL N.O.S. PROPER SHIPPING NAMES ARE SELECTED BASED ON THE MATERIALS HAZARD CLASSES, PACKING GROUPS AND IT LABELS LISTED IN THE TABLE.

COLUMN 3 IN THE 172.101 TABLE OUTLINES THE NUMERICAL HAZARD CLASS FOR THE SHIPPING NAME INDICATED. IF YOU SEE THE WORD “FORBIDDEN” IN THIS COLUMN, THAT MEANS THE MATERIAL MAY NOT BE SHIPPED IN ANY MODE OF TRANSPORTATION.

COLUMN 4 INDICATES THE SPECIFIC UN OR NA IDENTIFICATION NUMBER ASSIGNED TO THAT PROPER SHIPPING NAME. YOU CAN NOT USE ANOTHER IDENTIFICATION NUMBER WITH THE SHIPPING NAME YOU HAVE SELECTED. THE ID NUMBER IS CRITICAL BECAUSE IT PROVIDES THE EMERGENCY RESPONSE INFORMATION OUTLINED IN THE EMERGENCY RESPONSE GUIDEBOOK. THE “UN” IS ASSOCIATED WITH PROPER SHIPPING NAMES THAT CAN BE USED FOR INTERNATIONAL AND DOMESTIC TRANSPORTATION. THE “NA” IS ASSOCIATED WITH SHIPPING NAMES THAT CAN ONLY BE USED FOR NORTH AMERICAN TRANSPORT.

(NOTE: AT THIS POINT, LOOK AT ALL THE HAZARDOUS MATERIALS THAT YOUR HAZMAT EMPLOYEES MIGHT BE EXPOSED TO IN THEIR JOB FUNCTIONS, TO DETERMINE WHAT THEIR IDENTIFICATION NUMBERS ARE AND WHAT INFORMATION IS PROVIDED IN THE EMERGENCY RESPONSE GUIDEBOOK FOR THOSE NUMBERS. THIS IS REQUIRED UNDER THE SAFETY TRAINING REQUIREMENTS.)

<SAY>: COLUMN 5 OUTLINES THE PACKING GROUP NUMBER.

[PP]: **PG I = SEVERE HAZARD**

<SAY>: PACKING GROUP I REPRESENTS A SEVERE HAZARD, THE WORST POSSIBLE COMBINATION OF DANGERS. FOR EXAMPLE, A LETHAL POISON OR A CORROSIVE.

[PP]: **PG I = SEVERE HAZARD**
PG II = MODERATE HAZARD

<SAY>: PACKING GROUP II REPRESENTS A MODERATE, OR MEDIUM, HAZARD, SUCH AS A FLAMMABLE LIQUID.

[PP]: **PG I = SEVERE HAZARD**
PG II = MODERATE HAZARD
PG III = MINOR HAZARD

COLUMN 6 OUTLINES THE REQUIRED DOT 4X4 HAZARD LABELS THAT MUST BE APPLIED TO NON-BULK PACKAGES UNDER 119 GALLONS.

COLUMN 7 OUTLINES THE SPECIAL PROVISIONS IN 172.102 FOR THAT MATERIAL AND THE IBC CONTAINERS.

COLUMN 8 OUTLINES YOUR THREE PACKAGING OPTIONS.. SUB-COLUMN "8A", INDICATES THE SECTION IN PART 173 COVERING EXCEPTIONS LIKE "LIMITED QUANTITY" AND "CONSUMERS COMMODITY".

IF THE WORD "NONE" APPEARS, THIS MEANS NO EXCEPTIONS EXIST AND THE SHIPPER WOULD LOOK TO SUB-COLUMN "8B" FOR NON-BULK , LIKE DRUMS AND BOXES, THEN THE REQUIREMENTS COLUMN '8C" FOR BULK PACKAGING, LIKE TANK CARS AND CARGO TANKS..

COLUMN 9 INDICATES WEIGHT OR VOLUME LIMITATIONS FOR PASSENGER AIRCRAFT AND RAIL CARS IN SUB-COLUMN 9A AND CARGO AIRCRAFT ONLY IN 9B.

FINALLY, COLUMN 10 OUTLINES THE VESSEL STOWAGE AND SEGREGATION REQUIREMENTS FOR THE WATER MODE.

[PP]:172.300 - MARKING REQUIREMENTS

<**SAY**>: SHIPMENTS OF HAZARDOUS MATERIALS OR WASTE UNDER 119 GALLONS IN ONE PACKAGING REQUIRE THE FOLLOWING MARKINGS:

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

2. PROPER DOT SHIPPING NAME

<**SAY**>: THE PROPER DOT SHIPPING NAME MUST BE SHOWN ON ALL PACKAGINGS UNDER 119 GALLONS.

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

2. PROPER DOT SHIPPING NAME

3. N.O.S. CONSTITUENTS

<SAY>: IF AN N.O.S. SHIPPING NAME IS USED, THE SHIPPER MUST ENTER THE HAZARDOUS SUBSTANCE, HAZARDOUS WASTE AND OR THE TECHNICAL NAME OF THE MATERIAL IN PARENTHESES AFTER THE SHIPPING NAME.

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

2. PROPER DOT SHIPPING NAME

3. HAZARDOUS SUBSTANCES, MARINE POLLUTANT AND THE N.O.S. CONSTITUENTS

4. UN/NA IDENTIFICATION NUMBER

<SAY>: THE UN OR NA IDENTIFICATION NUMBER MUST BE PLACED IN PROXIMITY TO THE PROPER SHIPPING NAME AND CLASS LABELS

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

2. PROPER DOT SHIPPING NAME

3. N.O.S. CONSTITUENTS

4. UN/NA IDENTIFICATION NUMBER

5. INHALATION HAZARD WARNING

<SAY>: IF THE MATERIAL EXHIBITS THE CHARACTERISTIC OF AN INHALATION HAZARD, BASED ON SPECIAL PROVISIONS 1, 2, 3, 4, 5, 6, OR 13 INDICATED IN COLUMN 7 OF THE 172.101 TABLE, THE WORDS "INHALATION HAZARD" MUST BE DISPLAYED IN ASSOCIATION WITH THE SHIPPING NAME AND THE DOT HAZARD CLASS LABEL. HAZARD ZONE INFORMATION IS ONLY REQUIRED ON SHIPPING PAPERS AND MANIFESTS, NOT ON THE PACKAGING.

[PP]: 172.300 - MARKING REQUIREMENTS

1. SHIPPER/CONSIGNEE NAME AND ADDRESS

2. PROPER DOT SHIPPING NAME

3. N.O.S. CONSTITUENTS

4. UN/NA IDENTIFICATION NUMBER

5. INHALATION HAZARD WARNING

6. DOT SPECIAL PERMIT NUMBER

<SAY>: WHEN THE SHIPPER IS SHIPPING UNDER A DOT SPECIAL PERMIT, THE SPECIAL PERMIT NUMBER MUST BE DISPLAYED ON THE PACKAGING AND SHIPPING PAPER AS DOT-SP FOLLOWED BY THE NUMBER ASSIGNED.

[PP]: 172.400 - LABELING REQUIREMENTS

<**SAY**>: THE LABELING REQUIREMENTS FOR HAZARDOUS MATERIALS AND WASTE ARE OUTLINED IN 172.400 AND IN COLUMN 6 IN THE 172.101 HAZARDOUS MATERIALS TABLE. HOWEVER, THERE ARE SOME CASES WHERE LABELS ARE NOT REQUIRED AND ALSO CASES WHERE MORE THAN ONE LABEL IS REQUIRED.

(NOTE: REVIEW AS NEEDED. THEN REVIEW THE LABELING CHART IN YOUR COMPLIANCE GUIDE.)

<**SAY**>: ARE THERE ANY QUESTIONS OR PROBLEMS WITH LABELING BEFORE WE LEAVE IT?

(ANSWER ANY QUESTIONS)

[PP]: 172.500 - PLACARDING REQUIREMENTS**1. SHIPPERS/ AND GENERATORS MUST PROVIDE PLACARDS**

<**SAY**>: PROVIDING PLACARDS IS THE RESPONSIBILITY OF THE SHIPPER OR GENERATOR, UNLESS THE TRANSPORTATION UNIT IS ALREADY PROPERLY PLACARDED.

<**SAY**>: SHIPPERS MUST AFFIX THE REQUIRED PLACARDS WHEN THE CARRIER OR TRANSPORTER PARKS A UNIT AT THE DOCK AND THE SHIPPER LOADS IT, EVEN IF THE DRIVER IS PRESENT. THE SECOND CASE IS WHEN THE SHIPPER IS TRANSPORTING USING HIS OWN VEHICLE.

[PP]: WHEN DO YOU PLACARD?

<**SAY**>: PLACARDING IS BASED ON TABLE 1 AND TABLE 2 IN 172.504. LET'S LOOK AT THE TABLES.

[PP]: TABLE 1 - PLACARD ANY QUANTITY

<**SAY**>: WHEN OFFERING ANY HAZARDOUS MATERIAL OR WASTE IN TABLE 1, YOU MUST PLACARD ANY QUANTITY. TABLE 1 MATERIALS ARE THE MOST HAZARDOUS,, FOR EXAMPLE; THE MOST DANGEROUS MATERIAS, LIKE CERTAIN "RADIOACTIVE" AND "POISON INHALATION HAZARD" MATERIALS

**[PP]: TABLE 1 - PLACARD ANY QUANTITY
TABLE 2 - PLACARD 1,001 LBS. OR MORE**

<SAY>: TABLE 2 MATERIALS POSE LESS OF A THREAT, BUT STILL REQUIRE PLACARDS, THAT IS FOR SHIPMENTS OF 1,001 LBS. OR MORE. IF IN DOUBT, A SHIPPER MAY PLACARD FOR ANY QUANTITY OF A HAZARDOUS MATERIAL, PROVIDED THE PLACARD IS APPROPRIATE FOR THE MATERIAL BE SHIPPED. ALTHOUGH RARE ONE MATERIAL COULD REQUIRE MORE THAN ONE PLACARD.

[PP]: 172.600 EMERGENCY RESPONSE

<SAY>: 172.600 REQUIRES TWO LEVELS OF EMERGENCY RESPONSE INFORMATION

**[PP]: 172.600 EMERGENCY RESPONSE
1. EMERGENCY RESPONSE INFORMATION**

<SAY>: IF THE VEHICLE DOES NOT CONTAIN THE EMERGENCY RESPONSE GUIDEBOOK, THE SHIPPER MUST PROVIDE AT LEAST THE FOLLOWING EMERGENCY RESPONSE INFORMATION:

**[PP]: 172.600 EMERGENCY RESPONSE
1. EMERGENCY RESPONSE INFORMATION
BASIC DESCRIPTION AND NAMES
IMMEDIATE HAZARDS TO HEALTH
RISK OF FIRE/EXPLOSION
IMMEDIATE PRECAUTIONS TO TAKE
SPILL/LEAK INITIAL HANDLING METHODS
PRELIMINARY FIRST AID MEASURES**

(NOTE: REVIEW EACH ITEM AS YOU ADD IT TO THE LIST)

**[PP]: 2. EMERGENCY RESPONSE TELEPHONE NUMBER
ENTERED AFTER SHIPPING DESCRIPTION OR
ENTERED ONCE CLEARLY ON DOCUMENT IN ASSOCIATION WITH THE SHIPPERS NAME
OR CONTACT NUMBER.**

<SAY>: IF THERE ARE MULTIPLE EMERGENCY RESPONSE NUMBERS FOR A SHIPMENT, ENTER THE NUMBER FOLLOWING THE SHIPPING DESCRIPTION. IF THERE IS ONE NUMBER FOR THE ENTIRE SHIPMENT, IT CAN BE SHOWN ANYWHERE ON THE DOCUMENT PRECEDED BY THE WORDS "EMERGENCY CONTACT" AND MADE READILY VISIBLE.

[PP]: HAZMAT EMPLOYEE TRAINING

<SAY>: EVERY HAZMAT EMPLOYEE MUST BE TRAINED TESTED AND CERTIFIED SO THEY CAN UNDERSTAND THE DANGERS OF THE HAZARDOUS MATERIALS OR WASTE THEY WILL COME INTO CONTACT WITH IN THE COURSE OF THEIR JOB FUNCTIONS.

[PP]: EMERGENCY RESPONSE GUIDEBOOK

<SAY>: EARLIER IN THIS CLASS, WE USED THE EMERGENCY RESPONSE GUIDEBOOK TO FIND THE MATERIALS WE COMMONLY DEAL WITH AND THEIR CORRESPONDING EMERGENCY RESPONSE INFORMATION. LET'S CHOOSE ONE MORE AND REVIEW AGAIN.

(NOTE: REVIEW AGAIN HOW TO USE THE EMERGENCY RESPONSE GUIDEBOOK USING A PERTINENT EXAMPLE.)

[PP]: SAFETY AND SECURITY PLANS - 172.800

<SAY>: DOT REQUIRES CERTAIN COMPANIES TO CREATE AND MAINTAIN A PLAN TO ADDRESS SECURITY CONCERNS RELATED TO THEIR HAZARDOUS MATERIALS AND WASTE. THE CRITERIA FOR DETERMINING IF A COMPANY NEEDS A PLAN IS IN 172.800 AND THE REQUIRED COMPONENTS OF THE PLAN ARE IN 172.802. (ADVISE EMPLOYEES IF YOUR COMPANY IS REQUIRED TO MAINTAIN A SECURITY PLAN.)

(IF YOU DO HAVE A SECURITY PLAN) **<SAY>**: WE WILL LINK YOU TO THE DOT WEBSITE TO REVIEW THE DOT HAZARDOUS MATERIALS SECURITY AWARENESS TRAINING MODULE .

OR

(IF YOU ARE NOT REQUIRED TO HAVE A SECURITY PLAN) **<SAY>**: WE WILL COVER OUR COMPANIES IN-DEPTH SECURITY REQUIRED FOR ALL HAZMAT EMPLOYEES IN A LATER TIME..

<SAY>: THAT COMPLETES OUR REVIEW FOR GENERAL AWARENESS AND FAMILIARIZATION. PLEASE GO TO THE POST-TEST IN YOUR BOOKLET. IF YOU ARE NOT SURE OF AN ANSWER, GO TO THE SECTION INDICATED AND LOOK FOR THE CORRECT ANSWER. WHEN YOU HAVE COMPLETED THE TEST, WE WILL REVIEW THE ANSWERS AND DETERMINE YOUR SCORES.
