

STUDENT MANUAL

MODULE ONE

HAZARDOUS MATERIALS TRANSPORTATION TRAINING

GENERAL AWARENESS & FAMILIARIZATION



HAZARDOUS MATERIALS PUBLISHING

Training Modules



Hazardous Material General Awareness & Familiarization

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GENERAL AWARENESS AND FAMILIARIZATION INTRODUCTION TO HAZARDOUS MATERIALS

MODULE 1

WE HAVE ALL HEARD OF HAZARDOUS MATERIALS. WE READ ABOUT THEM IN THE NEWSPAPERS AND HEAR ABOUT THEM IN THE NEWS. BUT DO YOU REALLY KNOW WHAT A HAZARDOUS MATERIAL IS? YOU MIGHT BE SURPRISED. TO BE PRECISE, THEY ARE CHEMICALS, MIXTURES, OR GASES THAT THE DEPARTMENT OF TRANSPORTATION REGULATES IN ALL PHASES OF TRANSPORTATION.

WHAT IS TRANSPORTATION? THE TERM "TRANSPORTATION" IS DEFINED IN THE HAZARDOUS MATERIALS TRANSPORTATION UNIFORM SAFETY ACT (HMTUSA) OF 1990 AS THE MOVEMENT OF PROPERTY BY ANY MODE, AND ANY LOADING, UNLOADING OR STORAGE INCIDENTAL TO THAT MOVEMENT.

THE ACT ALSO OUTLINES THE TRAINING REQUIREMENTS PROMULGATED IN THE DOT HAZARDOUS MATERIALS REGULATIONS. THESE REGULATIONS ARE FOUND IN 49 CFR, SUBPART H, SECTION 172.700. THERE ARE TWO COMPONENTS OF THE TRAINING REGULATIONS: TRAINING AND TESTING. THESE REGULATIONS REQUIRE FOUR SPECIFIC AREAS OF TRAINING TO BE PROVIDED TO HAZMAT EMPLOYEES. THEY ARE GENERAL AWARENESS, FUNCTION-SPECIFIC, SAFETY, AND SECURITY AWARENESS.

THIS PROGRAM IS DESIGNED TO FULFILL THE GENERAL AWARENESS PORTION OF THE TRAINING REQUIREMENTS. THIS OBJECTIVE CAN ONLY BE MET BY MAKING YOU AWARE OF THE HAZARDOUS MATERIALS COMMUNICATION REQUIREMENTS. THERE ARE STRICT GUIDELINES THAT MUST BE FOLLOWED FOR THOSE WHO OFFER OR SHIP HAZARDOUS MATERIALS, WHICH INCLUDE HAZARDOUS SUBSTANCES AND WASTE. THIS PROGRAM HAS BEEN DESIGNED TO MAKE YOU AWARE OF AND FAMILIAR WITH HAZARDOUS MATERIALS AND THE REQUIREMENTS UNDER THE DEPARTMENT OF TRANSPORTATION.

THE HAZARDOUS MATERIALS REGULATIONS ARE CURRENTLY ISSUED FOLLOWING THE HAZARDOUS MATERIALS TRANSPORTATION ACT (HMTA) OF 1974 AND THE HAZARDOUS MATERIALS TRANSPORTATION UNIFORM SAFETY ACT OF 1990. THE REGULATIONS ARE FOUND IN THE CODE OF FEDERAL REGULATIONS (CFR) TITLE 49, SUBTITLE B, CHAPTER 1, SUBCHAPTER C, PARTS 171 THROUGH 180.

NOW THIS MAY ALL APPEAR TO BE VERY CONFUSING; HOWEVER, IF WE TAKE A CLOSER LOOK, WE SEE THAT YOU DON'T HAVE TO LEARN ALL THE REGULATIONS, YOU JUST NEED TO KNOW HOW TO FIND THOSE THAT AFFECT YOU.

THE MAIN OBJECTIVE OF THE REGULATIONS IS COMMUNICATING THE HAZARDS OF THE VARIOUS MATERIALS TO HAZMAT EMPLOYEES OR PERSONS RESPONDING TO EMERGENCIES. THESE PROCEDURES APPLY TO HAZARDOUS MATERIALS AND WASTE IN TRANSPORTATION OR DURING STORAGE INCIDENTAL TO TRANSPORTATION. THE TERM USED TO SUMMARIZE THESE REQUIREMENTS IS " **HAZARD COMMUNICATION.**"

HAZARDOUS MATERIALS COMMUNICATION REQUIREMENTS ARE FULFILLED THROUGH THE USE OF SHIPPING PAPERS, MARKINGS, LABELS, PLACARDS, EMERGENCY RESPONSE INFORMATION, INCIDENT REPORTING AND SECURITY MEASURES.

THE HAZARD COMMUNICATION REQUIREMENTS ARE OUTLINED IN 49 CFR PART 172 AS FOLLOWS:

SUBPART C - 172.200 - SHIPPING PAPERS

SUBPART D - 172.300 - MARKING

SUBPART E - 172.400 - LABELING

SUBPART F - 172.500 - PLACARDING

SUBPART G - 172.600 - EMERGENCY RESPONSE

SUBPART H - 172.700 - TRAINING

SUBPART I - 172.800 - SECURITY

TO UNDERSTAND THE HAZARD COMMUNICATION REQUIREMENTS OF PART 172, WE NEED TO START IN PART 171 - **GENERAL INFORMATION, REGULATIONS AND DEFINITIONS.**

FOR EXAMPLE, THE GENERAL REQUIREMENTS IN 171.2 OUTLINE WHEN AND HOW A MATERIAL IS REGULATED BY DOT. THIS ENSURES SAFE TRANSPORTATION AND PROTECTS THOSE PERSONS COMING INTO CONTACT WITH HAZARDOUS MATERIALS IN THE COURSE OF TRANSPORTATION. ONE OF THE MOST IMPORTANT SECTIONS IN PART 171 IS THE DEFINITIONS IN 171.8. UNDERSTANDING THE DEFINITIONS IS CRITICAL FOR UNDERSTANDING THE REGULATIONS.

WE WILL REVIEW SEVERAL OF THESE DEFINITIONS. HAZARDOUS MATERIAL MEANS A SUBSTANCE OR MATERIAL WHICH THE SECRETARY OF TRANSPORTATION HAS DETERMINED IS CAPABLE OF POSING AN UNREASONABLE RISK TO HEALTH, SAFETY AND PROPERTY WHEN TRANSPORTED IN COMMERCE, AND WHICH HAS BEEN SO DESIGNATED. IN OTHER WORDS, DOT REGULATES HAZARDOUS MATERIALS ON TRUCKS, PLANES, TRAINS AND VESSELS, NOT IN YOUR WAREHOUSE. THESE ARE REGULATED UNDER OTHER STATE AND FEDERAL AGENCIES.

HAZARDOUS SUBSTANCE MEANS A MATERIAL INCLUDING ITS MIXTURES AND SOLUTIONS THAT: 1) IS LISTED IN THE APPENDIX A TO 172.101; AND 2) IS IN A QUANTITY, IN ONE PACKAGE, WHICH EQUALS OR EXCEEDS THE REPORTABLE QUANTITY (RQ). THE TOTAL NUMBER OF CONTAINERS OR THE TOTAL AMOUNT DOES NOT MATTER, ONLY THE AMOUNT IN EACH INDIVIDUAL CONTAINER.

HAZARDOUS WASTE MEANS ANY MATERIAL THAT IS SUBJECT TO THE HAZARDOUS WASTE MANIFEST REQUIREMENTS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY SPECIFIED IN 40 CFR PART 262. A GOOD EXAMPLE IS SAMPLES SENT FOR HAZARDOUS WASTE CLASSIFICATION. THEY ARE NOT CONSIDERED HAZARDOUS WASTE UNDER DOT BECAUSE THEY ARE NOT SUBJECT TO THE MANIFEST REQUIREMENTS UNDER EPA.

PRIMARY HAZARD MEANS THE HAZARD CLASS OF A MATERIAL AS ASSIGNED IN COLUMN 3 OF THE 172.101 HAZARDOUS MATERIALS TABLE. SUBSIDIARY HAZARD MEANS THE HAZARD(S) OF A MATERIAL OTHER THAN THE PRIMARY HAZARD. THESE ARE USUALLY INCLUDED IN COLUMN 6 OF THE 172.101 TABLE. **(SEE ALSO 172.402).**

PART 171 GOES ON TO INCLUDE PROVISIONS WHICH PERMIT USE OF OTHER REGULATIONS, SUCH AS THE ICAO TECHNICAL INSTRUCTIONS FOR SHIPMENTS BY AIR AND THE IMDG CODE FOR SHIPMENTS BY WATER.

AND FINALLY, 171.15 AND 171.16 OUTLINE THE IMMEDIATE TELEPHONE AND DETAILED FOLLOW-UP REPORTING REQUIREMENTS FOR HAZARDOUS MATERIALS INCIDENTS. THE REQUIREMENTS CALL FOR: IMMEDIATE NOTIFICATION (NO LATER THAN 12 HOURS AFTER THE INCIDENT) TO THE NATIONAL RESPONSE CENTER AT **1-800-424-8802** IF: 1) AS A DIRECT RESULT OF A HAZARDOUS MATERIAL, A PERSON IS KILLED OR HOSPITALIZED, THERE IS A PUBLIC EVACUATION FOR ONE HOUR OR MORE, A MAJOR ROAD OR FACILITY IS CLOSED FOR MORE THAN ONE HOUR, OR AN AIRCRAFT'S FLIGHT PATTERN IS DISRUPTED

;2) FIRE, RELEASE OR CONTAMINATION INVOLVING RADIOACTIVE MATERIALS OR INFECTIOUS SUBSTANCES IS SUSPECTED; 3) FIRE, RELEASE OR CONTAMINATION INVOLVING AN INFECTIOUS SUBSTANCE OTHER THAN A REGULATED MEDICAL WASTE IS SUSPECTED; OR 4) A RELEASE OF A MARINE POLLUTANT OCCURS IN A QUANTITY EXCEEDING 450 L (119 GALLONS) FOR A LIQUID OR 400 KG (882POUNDS) FOR A SOLID. THE SECOND NOTIFICATION IS THE WRITTEN REPORT FORM UNDER 171.16 THAT MUST BE SENT WITHIN 30 DAYS OF DISCOVERY OF ANY HAZMAT INCIDENT.

ONCE WE HAVE DONE THIS GROUNDWORK IN PART 171, WE CAN CONTINUE TO THE HAZARDOUS MATERIALS COMMUNICATION INFORMATION REQUIREMENTS. THESE ARE FOUND IN PART 172 - HAZARDOUS MATERIALS TABLE, SPECIAL PROVISIONS, HAZARDOUS MATERIALS COMMUNICATION, EMERGENCY RESPONSE INFORMATION, TRAINING REQUIREMENTS, AND SECURITY PLANS.

SECTION 172.101 - THE HAZARDOUS MATERIALS TABLE - LISTS CHEMICAL AND SHIPPING NAMES FOR TRANSPORTATION. FOR EACH PROPER SHIPPING NAME, THE TABLE IDENTIFIES THE HAZARD CLASS OR SPECIFIES THAT THE MATERIAL IS FORBIDDEN IN TRANSPORTATION; INDICATES THE UN IDENTIFICATION NUMBER AND THE PACKING GROUP; AND SPECIFIES OR REFERENCES REQUIREMENTS ABOUT PACKAGING AND THEIR SPECIAL PROVISIONS. THE TABLE ALSO INCLUDES THE LABELING REQUIREMENTS, QUANTITY LIMITS ABOARD AIRCRAFT AND STOWAGE OF HAZARDOUS MATERIALS ABOARD VESSELS.

SECTION 172.101 ALSO CONTAINS APPENDIX A WHICH LISTS HAZARDOUS SUBSTANCES AND THEIR REPORTABLE QUANTITY (RQ) VALUES, AND APPENDIX B WHICH CONTAINS THE LIST OF MARINE POLLUTANTS. IT IS IMPORTANT TO REMEMBER THAT RQS ARE BASED ON POUNDS IN EACH CONTAINER, WHILE MARINE POLLUTANTS ARE BASED ON THEIR CONCENTRATION, AS OUTLINED IN 171.8.

SECTION 172.200 COVERS SHIPPING PAPERS. THE SHIPPING PAPER CARRIES THE BULK OF THE HAZARD COMMUNICATION REQUIREMENTS. THIS INFORMATION PROVIDES AN AWARENESS OF THE HAZARDS ASSOCIATED WITH THE MATERIAL BEING HANDLED OR SHIPPED. TO USE THIS INFORMATION, WE MUST KNOW HOW IT APPEARS ON THE SHIPPING PAPER AND WHAT IT MEANS.

THE HAZARDOUS MATERIALS COMMUNICATION INFORMATION ON THE SHIPPING PAPER STARTS WITH THE UN/NA IDENTIFICATION NUMBER IN COLUMN 4 OF THE 172.101 TABLE. THIS IS USED TO CROSS-REFERENCE THE APPLICABLE EMERGENCY RESPONSE INFORMATION CONTAINED IN THE EMERGENCY RESPONSE GUIDE (ERG). THE ERG INCLUDES DIRECTION FOR INITIAL RESPONSE PROCEDURES; POTENTIAL HEALTH AND FIRE OR EXPLOSION HAZARDS; AND PROCEDURES FOR EMERGENCY ACTIONS, USE OF PERSONAL PROTECTIVE EQUIPMENT, EVACUATION DISTANCES, AND FIRE, SPILL, LEAK, AND FIRST-AID PROCEDURES.

THE UN/NA ID NUMBER IS FOLLOWED BY THE PROPER SHIPPING NAME LISTED IN COLUMN 2. THIS MAY BE A CHEMICAL OR TECHNICAL NAME, SUCH AS ACETONE OR NITRIC ACID. IT MAY ALSO BE A GENERIC, NOT-OTHERWISE-SPECIFIED (N.O.S.) NAME SUCH AS FLAMMABLE LIQUID, N.O.S. OR CORROSIVE LIQUID, N.O.S. N.O.S. NAMES ARE USED WHEN SHIPPING SOLUTIONS OF MATERIALS THAT ARE NOT LISTED BY NAME IN THE 172.101 TABLE, BUT EXHIBIT THE CHARACTERISTICS OF A DOT HAZARDOUS MATERIAL OUTLINED IN 173.2, OR A HAZARDOUS SUBSTANCE OR WASTE BY DEFINITION.

THE SHIPPING DESCRIPTION THEN INDICATES THE HAZARD CLASS OR DIVISION WHICH CAN BE FOUND IN COLUMN 3 OF THE 172.101 TABLE. THIS INDICATES THE PRIMARY HAZARD CHARACTERISTIC OF THE MATERIAL SUCH AS POISONOUS - DIVISION 6.1, FLAMMABLE LIQUID - CLASS 3, RADIOACTIVE - CLASS 7, OR EXPLOSIVE - CLASS 1. REMEMBER, COLUMN 6, WHICH SHOWS LABELS REQUIRED, MAY SHOW THE MATERIAL'S SUBSIDIARY HAZARD(S) IF ANY. IN ADDITION TO THE PRIMARY HAZARD CLASS NUMBER, THE SHIPPING PAPER MUST SHOW THE SUBSIDIARY HAZARD CLASS (ES) FOR THE MATERIAL.

ONE MORE POINT ON POISONOUS MATERIALS. FOR MATERIALS POISONOUS BY INHALATION, THE WORDS "POISON - INHALATION HAZARD" AND THE APPROPRIATE HAZARD ZONE MUST BE INCLUDED WITHIN THE SHIPPING DESCRIPTION.

THE LAST SEGMENT OF HAZARD COMMUNICATION IN THE BASIC DESCRIPTION WOULD BE THE PACKING GROUP NUMBER. THIS IS LISTED IN COLUMN 5 OF THE 172.101 TABLE. MOST MATERIALS ARE ASSIGNED ONE OF THREE PACKING GROUPS: PACKING GROUP I, PACKING GROUP II, OR PACKING GROUP III. PACKING GROUPS ON THE SHIPPING PAPER MAKE US AWARE OF THE SEVERITY OF THAT PARTICULAR HAZARDOUS MATERIAL. PG I INDICATES THE HIGHEST DEGREE OF HAZARD, AND PG III INDICATES THE LOWEST DEGREE OF HAZARD FOR THAT PARTICULAR HAZARD CLASS.

WE MUST REMEMBER THAT THE HAZARD COMMUNICATION INFORMATION MUST APPEAR IN A SPECIFIC ORDER ON THE SHIPPING PAPER AS FOLLOWS:

UN1203, GASOLINE, 3, PGII

ANOTHER POINT ABOUT SHIPPING PAPER INFORMATION IS UNLESS THERE IS AN EXCEPTION, THE CHEMICAL OR TECHNICAL NAME OF THE HAZARDOUS MATERIAL MUST BE INCLUDED IN THE SHIPPING DESCRIPTION. THIS IS ALSO TRUE FOR HAZARDOUS SUBSTANCES AND MARINE POLLUTANTS. AND THIS ALSO APPLIES WHEN USING AN N.O.S. NAME LISTED IN 172.203.

FOR EXAMPLE, THE SHIPPING DESCRIPTION FOR A SOLUTION OF ACETONE AND TOLUENE WOULD BE "UN1993, FLAMMABLE LIQUID, N.O.S., 3, PG II, (ACETONE, TOLUENE)."

THERE IS MORE TO THE HAZARD COMMUNICATION INFORMATION THAN JUST SHIPPING PAPERS. MARKING, LABELING AND PLACARDING PROVIDE IMPORTANT INFORMATION REGARDING HAZARDS WHEN A SHIPPING PAPER IS NOT IMMEDIATELY AVAILABLE. THESE HAZARD COMMUNICATION INSTRUMENTS, WHEN DISPLAYED ON PACKAGING AND CONTAINERS, INFORM PEOPLE OF THE ASSOCIATED HAZARDS OF THE CONTENTS.

FOR EXAMPLE, A NON-BULK CONTAINER, SUCH AS A 55 GALLON DRUM, WOULD BE MARKED WITH THE PROPER SHIPPING NAME AND THE UN/NA ID NUMBER. ALSO, WHEN REQUIRED, THE CONTAINER WOULD BE LABELED WITH THE DOT 4X4 HAZARD CLASS LABEL SHOWN FOR THE MATERIAL IN COLUMN 6 OF THE 172.101 TABLE. BULK PACKAGING, SUCH AS CARGO TANKS AND TANK CARS, ON THE OTHER HAND, WOULD BE MARKED IN SOME CASES WITH THE DOT SHIPPING NAME, AND WOULD ALWAYS BE PLACARDED. UN/NA ID NUMBERS MAY BE DISPLAYED WITHIN PLACARDS OR ON ORANGE PANELS DISPLAYED NEAR THE PLACARD. ON BULK PACKAGING, PLACARDS TAKE THE PLACE OF LABELS.

SECTION 172.300 - MARKING REQUIRES THE SHIPPING NAME AND UN/NA ID NUMBER TO BE DISPLAYED ON CONTAINERS. ALSO, SIMILAR TO THE SHIPPING PAPER REQUIREMENTS, IF A SHIPPING NAME LISTED IN 172.203(K) MUST BE MARKED ON A CONTAINER, WE MUST ALSO INDICATE AT LEAST TWO COMPONENTS MOST PREDOMINANTLY CONTRIBUTING TO THE HAZARDS OF THE MIXTURE OR SOLUTION.

THERE ARE ALSO REQUIREMENTS SIMILAR TO SHIPPING PAPERS IN 172.313 AND 172.324. SECTION 172.313 REQUIRES THE WORDS "POISON - INHALATION HAZARD" TO BE MARKED ON CONTAINERS. SECTIONS 172.322 AND 172.324 REQUIRE THE "MARINE POLLUTANT" MARK AND THE LETTERS "RQ" AND THE NAMES OF HAZARDOUS SUBSTANCES TO BE INCLUDED WHEN MARKING.

BULK PACKAGING MUST BE MARKED WITH THE UN/NA IDENTIFICATION NUMBER ON AT LEAST TWO SIDES. HOWEVER, IN SOME CASES, BULK PACKAGING COULD REQUIRE THE PROPER SHIPPING NAME IN ADDITION TO THE ID NUMBER. WHEN PROPERLY IMPLEMENTED, COMPLIANCE WITH THESE CONTAINER REGULATIONS ENSURES PROPER IDENTIFICATION OF A SUBSTANCE EVEN IF THE SHIPPING PAPER IS NOT AVAILABLE.

IN ADDITION TO THE MARKING REQUIREMENTS MENTIONED ABOVE, SECTION 172.400 OUTLINES THE HAZARD COMMUNICATION LABELING REQUIREMENTS. THIS MANDATES EACH PERSON WHO OFFERS OR TRANSPORTS A HAZARDOUS MATERIAL TO LABEL ALL PACKAGES UNDER 119 GALLONS. THIS INCLUDES THE PRIMARY AND SUBSIDIARY HAZARD LABELS AS SPECIFIED IN COLUMN 6 OF THE 172.101 TABLE AND AS REQUIRED BY 172.402(A)(2). DISPLAY OF NUMERICAL HAZARD CLASS NUMBERS IS REQUIRED ON ALL LABELS.

SECTION 172.504 STATES THAT EACH PERSON WHO OFFERS OR TRANSPORTS A BULK PACKAGING, FREIGHT CONTAINER, UNIT LOAD DEVICE, TRANSPORT VEHICLE OR RAIL CAR, CONTAINING CERTAIN QUANTITIES OF HAZARDOUS MATERIALS, MUST PLACARD THE VEHICLE ON TWO SIDES. IN SOME CASES, PLACARDS MUST BE DISPLAYED ON EACH SIDE AND EACH END. REMEMBER THAT SOME SHIPMENTS MAY NOT CONTAIN ENOUGH HAZARDOUS MATERIAL TO MEET THE PLACARDING REQUIREMENTS. SO EVEN IF NOT PLACARDED, THEY MAY STILL CONTAIN HAZARDOUS MATERIALS.

ONE OF THE LAST SECTIONS OF THE HAZARD COMMUNICATION REQUIREMENTS OUTLINED IN PART 172 IS 172.600 - EMERGENCY RESPONSE INFORMATION. THIS REQUIRES THAT THE APPLICABLE EMERGENCY RESPONSE INFORMATION BE PROVIDED AND MAINTAINED WITH THE SHIPPING PAPER DURING TRANSPORTATION THIS ALSO APPLIES TO FACILITIES WHERE HAZARDOUS MATERIALS ARE LOADED, UNLOADED OR STORED INCIDENTAL TO TRANSPORTATION..

THE EMERGENCY RESPONSE INFORMATION MAY ALSO BE CONTAINED IN THE DOT EMERGENCY RESPONSE GUIDE WHEN AVAILABLE WITHIN THE VEHICLE. THIS INFORMATION IS USED FOR HAZARD COMMUNICATION DURING THE MITIGATION OF AN INCIDENT INVOLVING HAZARDOUS MATERIALS, AND AT A MINIMUM MUST INCLUDE:

- 1) THE BASIC DESCRIPTION AND TECHNICAL NAME OF THE HAZARDOUS MATERIAL, AS REQUIRED BY 172.202 AND 172.203(K), ICAO, IMDG OR TDG REGULATIONS;**
 - 2) IMMEDIATE HAZARDS TO HEALTH;**
 - 3) RISK OF FIRE OR EXPLOSION;**
 - 4) IMMEDIATE PRECAUTIONS TO BE TAKEN IN THE EVENT OF AN ACCIDENT OR INCIDENT;**
 - 5) IMMEDIATE METHODS FOR HANDLING FIRES;**
 - 6) INITIAL METHODS FOR HANDLING SPILLS OR LEAKS IN THE ABSENCE OF FIRE;**
- AND**
- 7) PRELIMINARY FIRST AID MEASURES.**

THE EMERGENCY RESPONSE REQUIREMENTS ARE DIVIDED INTO TWO SECTIONS. THE FIRST IS 172.602 FOR THE EMERGENCY RESPONSE INFORMATION. THIS SPECIFIC INFORMATION MUST BE AVAILABLE FOR USE AWAY FROM THE PACKAGE. THE INFORMATION MUST BE AVAILABLE ON A SHIPPING PAPER OR IN A DOCUMENT OTHER THAN A SHIPPING PAPER.

THE SECOND REQUIREMENT IS OUTLINED IN 172.604 FOR AN EMERGENCY RESPONSE TELEPHONE NUMBER TO BE PLACED ON THE SHIPPING PAPER. THE TELEPHONE NUMBER IS USED TO CONTACT A PERSON WHO HAS KNOWLEDGE OF EMERGENCY PROCEDURES DURING AN INCIDENT INVOLVING THE HAZARDOUS MATERIAL. THE 24-HOUR EMERGENCY RESPONSE TELEPHONE NUMBER MUST ALWAYS BE MONITORED WHEN A HAZARDOUS MATERIAL IS IN TRANSPORTATION. THIS TELEPHONE NUMBER MAY BE FOUND IN ONE OF TWO PLACES ON THE SHIPPING PAPER. FIRST, IT MAY BE PLACED IMMEDIATELY FOLLOWING THE BASIC SHIPPING DESCRIPTION. SECOND, IF THE EMERGENCY RESPONSE TELEPHONE NUMBER APPLIES TO ALL OF THE HAZARDOUS MATERIALS LISTED ON THE SHIPPING PAPER, IT IS ONLY REQUIRED TO BE SHOWN ONCE ANYWHERE ON THE SHIPPING PAPER.

DOT NOW ALSO REQUIRES THE NAME OF THE EMERGENCY RESPONSE INFORMATION PROVIDER OR THE CONTRACT NUMBER ASSIGNED BY AN EMERGENCY RESPONSE INFORMATION PROVIDER TO BE PLACED IMMEDIATELY BEFORE, AFTER, ABOVE OR BELOW THE PHONE NUMBER.

SECTION 172.700 COVERS THE TRAINING REQUIREMENTS FOR HAZMAT EMPLOYEES. AND THIS TOO CAN BE CONSIDERED HAZARD COMMUNICATION, BECAUSE IN THIS CASE, EMPLOYEES ARE REQUIRED TO BE TRAINED ON THE HAZARDS OF THE MATERIALS THEY HANDLE AND PROPER METHODS OF HANDLING. SAFETY AND SECURITY PLANS ARE COVERED IN SECTION 172.800, COMMUNICATING THE NECESSARY SECURITY MEASURES ASSOCIATED WITH CERTAIN HAZARDOUS MATERIALS.

THE HAZARD COMMUNICATION REGULATIONS ARE DESIGNED TO ASSIST EVERYONE IN HAZARDOUS MATERIAL IDENTIFICATION AND HAZARD RECOGNITION. THEY ALSO PROTECT HUMAN HEALTH AND THE ENVIRONMENT. IT IS IMPORTANT TO UNDERSTAND HOW THESE REGULATIONS WORK IF WE ARE TO PROTECT OURSELVES AND OTHERS WHEN WE COME INTO CONTACT WITH HAZARDOUS MATERIALS.
