

## HAZARDOUS MATERIALS TRANSPORTATION

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# Environmental Health and Safety Manual

## Hazardous Materials Transportation

### HAZARDOUS MATERIALS TRANSPORTATION

#### I. [Introduction](#)

The Department of Transportation (DOT) in Title 49 of the Code of Federal Regulations, Subtitle B, Chapter I, parts 100-177 regulates the transportation of hazardous materials in the United States. This includes biological, radioactive, and chemically hazardous materials and waste.

#### III. [Purpose](#)

The purpose of this section is to provide guidance to University of Wyoming faculty, staff and students who transport hazardous materials to or from campus, or across campus.

#### III. [Scope](#)

These guidelines apply to any employee, student, or associate of the University of Wyoming who transports hazardous materials in a motor vehicle on a public street or thoroughfare. This includes any streets on campus, which are considered public access, such as the street around Prexy's Pasture.

#### IV. [Responsibilities](#)

Anyone who transports hazardous materials is responsible for meeting the regulations of Title 49 of the Code of Federal Regulations, parts 100-177.

EHS is responsible for providing guidance to departments and supervisors who are responsible for transporting hazardous materials.

Departments and Supervisors are responsible for meeting the requirements of 49 CFR parts 100-177.

#### V. [Definitions](#)

- A. Motor vehicle - A vehicle, machine, tractor, trailer, or semi-trailer, or any combination thereof, propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property.
- B. Packaging - A receptacle and any other components or materials necessary for the receptacle to perform its containment function in conformance with the minimum packing requirements of 49 CFR part 173. For Radioactive materials, see also the section on Radiation Safety. For Biologically hazardous material, see also the section on Biological and Infectious waste, and the Biological Safety Plan. For Chemically hazardous materials, see also the section on Chemical Safety.

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- C. Marking - The required shipping name, identification number, instructions, cautions, weight, specification, or UN marks, or combinations thereof, required by 49 CFR subchapter C on outer packaging or shipping containers of hazardous materials. Marking is different from labeling and placarding.
- D. Labeling - A diamond-shaped device placed on a package of hazardous materials, which communicates the hazard and hazard class of that particular package. A label may be in the form of a sticker or may be printed directly on the package. Labels and labeling requirements are specified in 49 CFR parts 172.400 through 172.448. Labeling is different from marking and placarding.
- E. Shipping paper - A shipping order, bill of lading, manifest or other shipping document serving a similar purpose and containing the information required by parts 172.202, 172.203, and 172.204. A proper manifest satisfies the requirements of a shipping paper, but a basic shipping paper does not necessarily satisfy the requirements of a manifest. Contact EHS (766-3277) for details.
- F. Hazardous Waste Manifest - A manifest with special requirements because the material is a "hazardous waste."
- G. CDL Drivers License - A commercial driver's license with a hazardous materials endorsement. This is required when transporting a placardable amount of hazardous material.
- H. Placarding and Placardable Amounts - A diamond-shaped sign placed on a vehicle transporting hazardous materials, which communicates the hazard and hazard class of that particular package. A placard may be attached to the vehicle permanently or in a form, which can be removed or may be printed directly on the vehicle. Placards and placarding requirements are specified in 49 CFR part 172.504 through 172.704. Placarding is different from marking and labeling.
- I. Hazardous Material - A substance or material, which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce. All hazardous wastes are hazardous material under this definition. See the Hazardous Materials Table in 49 CFR, part 172.101, or contact the UW Regulated Materials Management Center (RMMC) for assistance at 766-3696.

## VI. [Compliance Requirements](#)

DOT has determined that the University of Wyoming is "In Commerce" and that the streets on and around Campus are public access and fall within the DOT definition of "Highways." In effect, this means that the University is subject to all the regulations in 49 CFR concerning hazardous materials. Due to the length and

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depth of these regulations it is highly recommended that EHS review your situation if you are not familiar with DOT requirements.