

March 4, 2011



U.S. Department
of Transportation

East Building, PHH – 30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 13487
(FIFTH REVISION)

EXPIRATION DATE: December 31, 2014

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: University of Colorado Denver
Aurora, CO
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the one-time, one-way transportation in commerce of certain infectious materials in special packagings transported by a contract carrier. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Party status will not be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR Subpart C of Part 172 in that the shipping paper requirements are waived; § 172.301 (a), (b) and (c) in that the marking requirements are waived; § 173.196(a)&(b) in that an alternative package is not authorized, except as specified herein; and § 178.609 in that testing requirements for packagings are waived.

March 4, 2011

5. BASIS: This special permit is based on the application of University of Colorado at Denver and Health Sciences Center dated December 23, 2010, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Hazardous Materials Description | | | |
|--|---------------------------|-------------------------------|------------------|
| Proper Shipping Name | Hazard Class/ Division | Identi- fication Number | Packing Group |
| Infectious substances, affecting humans* | 6.2 | UN2814 | n/a |

* Limited to Risk Group 1, 2 or 3 only, as defined in the U.N. Recommendations on the Transport of Dangerous Goods, Twelfth revised edition, 2001. Risk Group 4 materials are not authorized for transport by this special permit.

7. SAFETY CONTROL MEASURES:

a. PACKAGING -

(1) Infectious substances, as listed in Paragraph 6, must be packed as follows: The substances, contained in sealed cryo-vials (primary receptacles), must be packaged in individual fiberboard boxes. The volume of the substance in each vial must not exceed 1 ml. Not more than 100 vials may be packed in a fiberboard box. Not more than 400 boxes (ultracold upright freezer) or 396 boxes (ultracold chest freezer) may be placed on racks in a freezer. Leak-proofed test tubes (primary receptacles), placed on tube racks, must be wrapped in a plastic bag prior to placing the tube racks on racks in a -20 °C freezer. Sufficient absorbent material must be placed in each freezer to absorb the entire contents of all primary receptacles in case of breakage or leakage and to prevent the contents from shifting during transport. The freezer serves as the outer packaging.

(2) All freezers are constructed of steel and the ultracold freezers (-70 °C to -120 °C) are double-walled.

March 4, 2011

(3) Boxes and racks must be tightly secured within the freezer to prevent the contents from shifting.

(4) All freezer doors and lids must be securely closed and wrapped to prevent opening during transportation.

(5) The infectious substances in the freezers must be kept frozen at all times within the operating temperature range of -70 °C to -120 °C (ultracold freezer) and -20 °C (-20 °C freezer) using dry ice. Dry ice sufficient to keep the infectious substances within the operating temperature range for at least twice the estimated travel time must be used in the freezers on the transport vehicle.

(6) All freezers must be secured against movement in the transport vehicle.

b. OPERATIONAL CONTROLS -

(1) This special permit authorizes the transport of packages containing infectious substances from the University of Colorado research laboratories at 4200 E. 9th Avenue, Denver, Colorado to new buildings at 12800 E. 19th Avenue, 12801 E. 17th Avenue and 1984 Wheeling Street, Aurora, Colorado, using a contract transport vehicle. Packages must be prepared and unpacked by the University of Colorado staff. The frozen materials must be delivered to the Aurora facility within 1 hour of its departure from the Denver campus facility.

(2) Not more than one transport vehicle may be operated at any time.

(3) Not more than eight freezers may be in a transport vehicle.

(4) An itemized list of contents must be securely attached to the outside of each freezer.

(5) Emergency equipment necessary to mitigate a spill must accompany each transport vehicle.

(6) The University of Colorado Health Sciences at Denver and Health Science Center emergency response team must be on duty during transport.

8. SPECIAL PROVISIONS:

- a. A current copy of this special permit must be maintained at each facility where the package is offered for transportation.
- b. The shipping paper requirements of 49 CFR Part 172 Subpart C and the marking requirements of 49 CFR 172.301(a), (b) and (c) are waived.
- c. Emergency responders and escorts must have a copy of packing lists for the freezer being transported.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)- 'The Hazardous Materials Safety and Security

March 4, 2011

Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: STHWANG/tg