



U.S. Department
of Transportation
Research and
Special Programs
Administration

400 Seventh St., S.W.
Washington, D.C. 20590

DOT-E 11984
(SIXTH REVISION)

JUL 29 2003

EXPIRATION DATE: June 30, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. **GRANTEE:** American Airlines, Inc.
Tulsa, OK
(Former grantee: Trans World Airlines, Inc.)

(See Appendix A to this document for a list of additional grantees.)

2. **PURPOSE AND LIMITATION:**

a. This exemption authorizes the transportation in commerce of chemical oxygen generators without two means of preventing actuation or the required marking "oxygen generator, chemical" on the body of the generator. It also serves as an approval as required by Special Provision 60. This exemption provides no relief from the Hazardous Materials Regulation (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. **REGULATORY SYSTEM AFFECTED:** 49 CFR Parts 106, 107 and 171-180.
4. **REGULATIONS FROM WHICH EXEMPTED:** 49 CFR § 172.102(c)(1), Special Provision 60, regarding the requirement for two independent means (non-packaging) of preventing actuation, and § 173.212 in that ATA specification No. 300 packaging is also authorized.
5. **BASIS:** This exemption is based on the application of American Airlines, Inc. dated July 24, 2003, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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| Proper Shipping Name/ Hazardous Materials Description | Hazard Class/ Division | Identi- fication Number | Packing Group |
|---|------------------------------|-------------------------------|------------------|
| Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc) | 5.1 | UN3356 | II |

7. SAFETY CONTROL MEASURES:

a. SAFETY CONTROL MEASURES: Only oxygen generators and protective breathing equipment (PBE) that are authorized by the Associate Administrator for Hazardous Materials Safety to be described as "Oxygen generator, chemical, 5.1, UN3356" may be transported under the terms of this exemption.

b. Testing: Each oxygen generator, without packaging, must be capable of withstanding a 1.8 meter drop onto a rigid, non-resilient, flat and horizontal surface, in the position most likely to cause damage, with no loss of contents or actuation.

c. Packaging:

(1) The oxygen generator, oxygen generator installed in equipment, or PBE must be placed in a non-combustible protective package that fully encloses the oxygen generator or piece of equipment; and

(2) The oxygen generator, oxygen generator installed in equipment, or PBE must be packaged in accordance with § 173.212 or Packaging for Airline Supplies - ATA Specification No. 300, published by the Air Transport Association of America.

(3) If the piece of equipment is too large to place in a protective package or one of the approved packaging in 7.c.(2), for example - an aircraft seat, then a warning sign must be visible attached to the piece of equipment stating the item contains an oxygen generator (example: This item contains an Oxygen Generator).

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8. SPECIAL PROVISIONS:

a. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

b. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

c. Marking Requirements:

(1) If an oxygen generator is inside a piece of equipment which is sealed or difficult to determine if an oxygen generator is present, for example - a closed sealed passenger service unit, then a warning sign must be visible attached to the piece of equipment stating "THIS ITEM CONTAINS AN OXYGEN GENERATOR"; and

(2) Each package, and overpack if used, must be plainly marked with the exemption number and the following statement:

**THIS PACKAGE IS NOT AUTHORIZED FOR
TRANSPORTATION ABOARD AIRCRAFT**

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: This exemption imposes no additional modal requirements.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption 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 exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

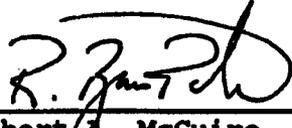
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Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

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

12. **REPORTING REQUIREMENTS:** The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

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

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: rdt/sln

OCT 13 2004

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

| Company Name City/State | Application Date | Issue Date | Expiration Date |
|--|--|--------------------|--------------------|
| American Eagle Airlines Inc. Ft. Worth, TX | Aug 12, 2003 & Jun 23, 2004 | Jun 23, 2004 | Jun 30, 2005 |
| American Trans Air, Inc. Indianapolis, IN | Oct 07, 2003 | Oct 09, 2003 | Jun 30, 2005 |
| Boeing Company, The/Boeing Commercial Airplane Group Seattle, WA | Mar 9, 2004 | Apr 29, 2004 | Jun 30, 2005 |
| Air Canada Dorval, QC Canada (U.S. Agent: Air Canada Washington, DC) | Sep 7, 2004 | Sep 9, 2004 | Jun 30, 2005 |
| Northwest Airlines, Inc. Minneapolis, MN | Sep 26, 2003 | Oct 06, 2003 | Jun 30, 2005 |
| AVOX Systems, Inc. Lancaster, NY (Former Grantee: Scott Aviation Inc) | Aug 20, 2003 & Aug 4, 2004 & Sep 3, 2004 | OCT 13 2004 | Jun 30, 2005 |

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 Robert A. McGuire
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 Hazardous Materials Safety