

February 11, 2013



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 15071
(FIRST REVISION)

EXPIRATION DATE: December 31, 2016

(FOR RENEWAL, see 49 CFR § 107.109)

1. GRANTEE: Orbital Sciences Corporation
Dulles, VA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of a cartridge, power device and certain Division 2.2 gases in non-DOT specification cylinders. 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 the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. No party status will 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 § 173.62(c) in that alternative packaging is authorized and § 173.302a in that non-DOT specification cylinders are required, except as provided herein.
5. BASIS: This special permit is based on the application of Orbital Sciences Corporation dated January 22, 2013 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Air, compressed	2.2	UN1002	n/a
Article, n.o.s. (Cartridges, power device installed on equipment and non-flammable compressed gas)	1.4S	UN0323	II
Helium, compressed	2.2	UN1046	n/a

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging is a launch vehicle subassembly as described in the June 18, 2010 application on file with Office of Hazardous Materials Special Permits and Approvals (OHMSPA). The subassembly contains two cartridges assigned to EX-9905002. The subassembly contains 23 non-DOT specification spherical pressure vessels. The pressure vessels must meet the design criteria as described in the application for special permit on file with the OHMSPA. Twenty-two of the pressure vessels contain a mixture of compressed air and helium at 75psig and one pressure vessel contains a mixture of compressed air and helium at 300psig. The lot of twenty-two pressure vessels have a MAWP (maximum allowable working pressure) of 1920 psig at room temperature (they have a MAWP of 3270psig when operating at cryogenic temperatures). The remaining pressure vessel has a MAWP of 3270psig.

b. OPERATIONAL CONTROLS - Only the launch vehicle subassembly may be transported aboard each motor vehicle or cargo vessel.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or

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change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

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

9. MODES OF TRANSPORTATION AUTHORIZED: Motor Vehicle and Cargo Vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or 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 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

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"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 notices 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 Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

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: Nicklous/SGrey