



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

July 17, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21890
(SECOND REVISION)

EXPIRATION DATE: 2029-03-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Blue Origin, LLC
Merritt Island, FL
2. PURPOSE AND LIMITATIONS:
 - a. This emergency special permit authorizes post-recovery transportation in commerce of Blue Origin Florida's New Glenn 1st Stage launch vehicle. 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 § 173.301(f)(1) in that cylinders filled with a gas and offered for transportation need not be equipped with one or more pressure relief devices; § 173.302(a)(1) in that a non-DOT specification cylinder is authorized; § 173.54(l) in that the explosives have their means of initiation attached.
5. BASIS: This emergency special permit is based on the application of Blue Origin Florida, LLC dated March 31, 2025, submitted in accordance with § 107.105, the public proceeding thereon and additional information dated June 23, 2025.

Tracking Number: 2025064999

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Articles, explosive, n.o.s (contains linear shaped charges, power cartridge devices)	1.1D	UN0463	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Helium, compressed	2.2	UN1046	N/A
Hydrogen peroxide, stabilized <i>or</i> Hydrogen peroxide aqueous solutions, stabilized <i>with more than 60 percent hydrogen peroxide</i>	5.1	UN2015	I

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) The post-landing New Glenn 1st Stage launch vehicle must be classified as UN0463, Articles, explosive, n.o.s. (contains linear shaped charges, power cartridge devices), 1.1D in accordance with the requirements of EX2024082755 prior to transport.

(2) For recovery vessel transport, the requirement to have faraday caps installed on the firing leads is waived.

(3) The prescribed packagings within the New Glenn 1st Stage launch vehicle are non-DOT specification cylinders that are not equipped with pressure relief devices and are as described in Blue Origin's October 30, 2024, or March 31, 2025, application on file with the Office of Hazardous Materials Safety (OHMS).

b. OPERATIONAL CONTROLS:

(1) Flight Termination System.

(i) The Power Distribution Box (PDB) for the flight termination system shall be powered down approximately 30 minutes after landing.

- (ii) The Flight Termination System firing capacitors shall be bled prior to landing to act as quasi-Faraday caps.
 - (iii) The Flight Termination System shall contain two independent series-configured switches controlled by independent safety co-processors.
 - (iv) The Flight Termination System shall be software locked when the vehicle is not actively in flight.
- (2) The maximum quantities of hazardous materials and any associated system pressures must be in accordance with those values listed in Blue Origin's October 30, 2024, application on file with the OHMS.
- (3) Vessel transportation of the recovered New Glenn launch vehicle is only authorized between a designated landing site and a USCG preapproved waterfront facility.
- (4) Advanced Notice to the United States Coast Guard (USCG) Officer in Charge, Marine Inspection (OCMI) or the Captain of the Port (COTP). Blue Origin must provide an Advanced Notice to the local USCG Captain of the Port (COTP) at least 72 hours in advance of plans to operate under this special permit unless prior arrangements have been made with the USCG. The notification must include the point of departure, destination(s), and an unloading and departure schedule. If a schedule deviates more than four hours from the originally scheduled departure time, Blue Origin must immediately notify the USCG. Alternative notification procedures may be established subject to the written approval of the USCG.
- (5) Blue Origin must follow the pre-operation plans as specified in the application on file with OHMS before recovering the New Glenn launch vehicle.
- (6) Prior to entering the port area, Blue Origin must provide notification to the USCG COTP that the launch vehicle has been secured and/or of any off-nominal conditions.
- (7) Authorized Vessel: This special permit is only valid for marine transport on LANDING PLATFORM VESSEL #1 (IMO Number 9998676). LANDING PLATFORM VESSEL #1 must continue to meet all applicable Part 46 CFR Subchapter I requirements to include those specified as part of the Design Basis Agreement for fire protection, firefighting, and lifesaving. Due to the lack of installed fixed fire protection available on LANDING PLATFORM VESSEL #1, arrangements for shoreside fire protection must be made to the satisfaction of the local COTP prior to transferring the New Glenn launch vehicle. The vessel must also maintain a valid 5-year Certificate of Inspection from the USCG.

(8) No cargo other than the New Glenn launch vehicle is authorized on the vessel during transport under this special permit.

(9) The vessel operating under this permit must have multiple means of egress during all New Glenn launch vehicle off-loading operations. This may include a double gangway, having an escape vessel present during off-loading or other means which satisfies the COTP.

(10) No simultaneous operations (e.g., bunkering) while off-loading the New Glenn launch vehicle unless specifically authorized by the COTP per 49 CFR 176.154.

(11) For motor vehicle transportation, two qualified and trained drivers must transport the New Glenn launch vehicle. The motor vehicle must be attended at all times by a driver. Drivers must be trained in the dangers of the hazardous materials and measures to be taken in the event of an accident or emergency.

(12) As required by 49 CFR 176.100, Blue Origin must get approval for the transfer of explosives from the local COTP by submitting an Application and Permit to Handle Hazardous Materials (form CG-4260) with all relevant documentation. The application must be submitted a minimum of 7 days prior to the anticipated transfer of the New Glenn launch vehicle. The local COTP must approve the application, and all exceptions/conditions of this permit prior to Blue Origin conducting the transfer of the New Glenn launch vehicle ashore.

(13) Blue Origin must notify local USCG if a modification is made to the special permit prior to conducting operations under the modified special permit.

8. SPECIAL PROVISIONS:

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

b. If the Blue Origin procedures indicated in this special permit are revised, the updated procedures must be provided to the OHMS and the USCG prior to use.

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 “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, inwriting, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Quade
Acting Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, East Building PHH-13, 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 <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: AS-MK/TG/Casey Chambers