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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 20254
(FIRST REVISION)

EXPIRATION DATE: 2021-11-30

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: P.J. HELICOPTERS, INC.
RED BLUFF, CA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce in the U.S. only of certain hazardous materials by 14 CFR Part 133 Rotorcraft External Load Operations transporting hazardous materials attached to or suspended from an aircraft and 14 CFR Part 135 operations transporting hazardous materials on board an aircraft. Such transportation is in support of construction operations when the use of cranes or other lifting devices is impracticable or unavailable or when aircraft is the only means of transportation, without being subject to certain hazard communication requirements, quantity limitations, packaging and loading and storage requirements. 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.

Tracking Number: 2017128904

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4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9B) in that rags, oily may be transported aboard cargo aircraft; § 172.101 Hazardous Materials Table Column (9B) in that the maximum quantity may be exceeded and materials forbidden for air transport are authorized; Subpart C of Part 172 in that the shipping paper requirements are waived; §§ 172.301(c) and 172.302(c) in that each package need not be marked with the special permit number; § 173.315(j)(1) in that storage containers must be charged to five percent of their capacity or less and intended for permanent installation on consumer premises and shipped by private motor carrier, except as specified herein; § 175.30 in that an alternative inspection method is authorized; and Part 173 in that certain packaging requirements are waived.
5. BASIS: This special permit is based on the application of P.J. Helicopters, Inc. dated December 6, 2017 and submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

| Hazardous Material Description | | | |
|--|-------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| Acetylene, dissolved | 2.1 | UN1001 | N/A |
| Adhesives, containing a flammable liquid | 3 | UN1133 | I, II, or III |
| Aerosols, <i>corrosive, Packing Group II or III, (each not exceeding 1 L capacity)</i> | 2.2 | UN1950 | N/A |
| Aerosols, <i>flammable, (each not exceeding 1 L capacity)</i> | 2.1 | UN1950 | N/A |
| Aerosols, flammable, n.o.s. <i>(engine starting fluid) (each not exceeding 1 L capacity)</i> | 2.1 | UN1950 | N/A |
| Air, compressed | 2.2 | UN1002 | N/A |

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| Hazardous Material Description | | | |
|---|------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/Division | Identification Number | Packing Group |
| Alcoholic beverages | 3 | UN3065 | II or III |
| Argon, compressed | 2.2 | UN1006 | N/A |
| Aviation regulated liquid, n.o.s | 9 | UN3334 | N/A |
| Batteries, wet, filled with acid, <i>electric storage</i> | 8 | UN2794 | N/A |
| Batteries, wet, filled with alkali, <i>electric storage</i> | 8 | UN2795 | N/A |
| Batteries, wet, non-spillable, <i>electric storage</i> | 8 | UN2800 | N/A |
| Battery fluid, acid | 8 | UN2796 | II |
| Battery fluid, alkali | 8 | UN2797 | II |
| Battery-powered vehicle <i>or</i> Battery-powered equipment | 9 | UN3171 | N/A |
| Boosters, without detonator | 1.1D | UN0042 | N/A |
| Argon, refrigerated liquid (<i>cryogenic liquid</i>) | 2.2 | UN1951 | N/A |
| Cartridges for weapons, inert projectile <i>or</i> Cartridges, small arms | 1.4C | UN0339 | N/A |
| Cartridges for weapons, inert projectile <i>or</i> Cartridges, small arms | 1.4S | UN0012 | N/A |
| Cartridges for weapons, blank <i>or</i> Cartridges, small arms, blank <i>or</i> Cartridges for tools, blank | 1.4S | UN0014 | N/A |

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| Hazardous Material Description | | | |
|--|-------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| Corrosive liquid, basic, organic, n.o.s. | 8 | UN3267 | I, II, or III |
| Corrosive liquids, toxic, n.o.s. | 8 | UN2922 | I, II, or II |
| Detonator assemblies, non-electric, <i>for blasting</i> | 1.4B | UN0361 | N/A |
| Diesel fuel | 3 | UN1202 | III |
| Diethylenetriamine | 8 | UN2079 | II |
| Engines, internal combustion, or Engines, fuel cell, flammable gas powered | 9 | UN3166 | N/A |
| Engines internal combustion, or Engines, fuel cell, flammable liquid powered | 9 | UN3166 | N/A |
| Ethyl methyl ketone or Methyl ethyl ketone | 3 | UN1193 | II |
| Environmentally hazardous substances, solid, n.o.s | 9 | UN3077 | III |
| Explosives, blasting, type A | 1.1D | UN0081 | N/A |
| Explosive, blasting, type E | 1.1D | UN0241 | N/A |
| Fertilizer ammoniating solution with free ammonia | 2.2 | UN1043 | N/A |
| Fire extinguishers containing compressed or liquefied gas | 2.2 | UN1044 | N/A |
| Flammable liquids, n.o.s. | 3 | UN1993 | I, II, or III |

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| Hazardous Material Description | | | |
|--|-------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| Flammable liquids, toxic, n.o.s. | 3 | UN1992 | I, II, or III |
| Flammable liquids, corrosive, n.o.s. | 3 | UN2924 | I, II, or III |
| Fuel, aviation, turbine engine | 3 | UN1863 | I, II, or III |
| Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, <i>containing corrosive substances</i> | 8 | UN3477 | N/A |
| Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, <i>containing flammable liquids</i> | 3 | UN3473 | N/A |
| Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, <i>containing hydrogen in metal hydride</i> | 2.1 | UN3479 | N/A |
| Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, <i>containing liquefied flammable gas</i> | 2.1 | UN3478 | N/A |
| Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, <i>containing water-reactive substances</i> | 4.3 | UN3476 | N/A |

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| Hazardous Material Description | | | |
|--|-------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| <i>Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol</i> | 3 | UN1203 | II |
| Isopropanol or Isopropyl alcohol | 3 | UN1219 | II |
| Kerosene | 3 | UN1223 | III |
| <i>Lighters containing flammable gas</i> | 2.1 | UN1057 | N/A |
| <i>Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas</i> | 2.1 | UN1057 | N/A |
| <i>Lithium ion batteries including lithium ion polymer batteries</i> | 9 | UN3480 | N/A |
| <i>Lithium ion batteries contained in equipment including lithium ion polymer batteries</i> | 9 | UN3481 | N/A |
| <i>Lithium ion batteries packed with equipment including lithium ion polymer batteries</i> | 9 | UN3481 | N/A |
| <i>Lithium metal batteries including lithium alloy batteries</i> | 9 | UN3090 | N/A |
| <i>Lithium metal batteries packed with equipment including lithium alloy batteries</i> | 9 | UN3091 | N/A |
| <i>Lithium metal batteries contained in equipment including lithium alloy batteries</i> | 9 | UN3091 | N/A |
| Paint or Paint related material | 8 | UN3066 | II or II |

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| Hazardous Material Description | | | |
|---|-------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) | 8 | UN3470 | II |
| Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) | 3 | UN3469 | I, II, or III |
| Paint related material including paint thinning, drying, removing, or reducing compound | 3 | UN1263 | I, II, or III |
| Paint related material corrosive, flammable (including paint thinning or reducing compound) | 8 | UN3470 | II |
| Paint related material, flammable, corrosive (including paint thinning or reducing compound) | 3 | UN3469 | I, II, or III |
| Petroleum distillates, n.o.s. or Petroleum products, n.o.s. | 3 | UN1268 | I, II, or III |
| Petroleum gases, liquefied or Liquefied petroleum gas | 2.1 | UN1075 | N/A |
| Rags, oily | 4.2 | UN1856 | III |
| Vehicle, flammable gas powered or Vehicle, fuel cell, flammable gas powered | 9 | UN3166 | N/A |
| Vehicle, flammable liquid powered or Vehicle, fuel cell, flammable liquid powered | 9 | UN3166 | N/A |

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*A lithium battery, including a lithium battery packed with or contained in equipment, with a mass exceeding 35 kg may not be transported under the terms of this special permit unless the offeror (shipper) holds an approval in accordance with § 172.102(c)(2), Special Provision A54.

7. SAFETY CONTROL MEASURES:

a. PACKAGING -

(1) For propane and petroleum gases, liquefied, prescribed packagings must comply with Subpart B of Part 173 and § 173.315(j)(1)(i) and (ii). Valves or other fittings must be adequately protected against damage during transportation. The requirements in § 173.315(j)(1) that storage containers must be charged to five percent of their capacity or less and must be intended for permanent installation on consumer premises and shipped by private motor carrier are waived.

(2) For all other hazardous materials authorized under the terms of this special permit, prescribed packaging is the manufacturer's original packaging or a packaging of equal or greater strength and integrity. Compatibility and effectiveness of all packaging must, at a minimum, meet the requirements of 49 CFR 173.24.

b. OPERATIONAL CONTROLS -

(1) Prior to attaching or suspending storage containers of propane and petroleum gases, liquefied packaged in accordance with paragraph 7.a.(1) above from an aircraft, each storage container must be inspected by a trained and qualified person for leaks, corroded or abraded areas, dents, distortions, weld defects, or other conditions that may render the container or package unsafe for transportation.

(2) For propane and petroleum gases, liquefied packaged in accordance with paragraph 7.a.(1) above, a maximum of two full containers or four empty containers may be attached to or suspended from an aircraft at one time under the terms of this special permit. For containers with a capacity exceeding 1,000 gallons, no more than a single container may be attached to or suspended from an aircraft at one time.

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(3) Aerosols and compressed gases must be secured in an upright position with protective caps and/or covers installed to prevent any unwanted discharge.

(4) Compressed gases must be packaged and conform to Subpart G of Part 173 (see paragraph 7.a.(1) for additional authorized packagings for propane and petroleum gases, liquefied).

(5) Cylinders must be secured in such a manner that prevents the cylinder from movement during transportation. The cylinder neck/valve must be protected by the use of safety caps or collars. At no time shall the safety caps or collars be used as a lifting point.

(6) All batteries packed in equipment must be packed in a manner that prevents accidental activation or dangerous evolution of heat. Spare batteries or batteries pack with equipment must have their terminals insulated or protected to prevent short circuits and prevent a dangerous evolution of heat.

(7) Liquid fueled or gasoline powered equipment may be filled to not more than 80% of their capacity to allow for expansion due to altitude changes.

(8) All lithium batteries packed with equipment, or contained in equipment, must be packed in such a manner as to prevent short circuits, including movement that could lead to short circuits. They must be equipped with an effective means to prevent dangerous reverse current flow (e.g., diodes, fuses, etc.) if a battery contains cells or series of cells that are connected in parallel.

(9) Division 4.2 materials must be transported in sealed containers to prevent any spontaneous combustion.

(10) Hazardous materials that are capable of reacting dangerously with each other may not be placed next to each other or in a position that would allow a dangerous interaction in the event of leakage. The Segregation Table in § 175.78 must be used.

(11) Crew notification must be conducted prior to each operation conducted under the terms of this special

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permit. The crew must be notified of the type and quantities of hazardous materials to be transported under the terms of this special permit.

(12) The public must be excluded by local authorities and emergency responders must be notified in advance of each operation conducted under the terms of this special permit.

(13) Each operation conducted under the terms of this special permit is only authorized in the U.S. and only:

(i) In support of construction operations when the use of cranes or other lifting devices is impracticable or unavailable; or

(ii) When aircraft is the only means of transportation.

(14) All packages must be blocked and braced to prevent movement.

(15) Hazardous materials transported must comply with the safety controls specified in this special permit.

(16) The safe operational weight limit of the aircraft may not be exceeded.

(17) Alternative pilot-in-command notification procedures for 49 CFR Part 175.33, may be established subject to the written approval of the cognizant Regional Hazardous Materials Manager.

8. SAFETY CONTROL MEASURES FOR CLASS 1 MATERIALS:

a. PACKAGING - As prescribed in § 173.62 further packaged in a type 3 magazine manufactured per ATF publication 5400.7 section 55.209 and transported as a Class B external load. The explosives must be packaged in conformance with the HMR. When metal outer packagings are used, a 3-5 foot metal chain or other type of static discharge wick must be fitted to the bottom of the metal box to dissipate the build-up of static electricity.

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b. Authorized Explosives - Explosives authorized in paragraph 6., that are forbidden for transportation aboard aircraft in the HMR, may be accepted and transported in cargo aircraft subject to the conditions stated herein.

c. Maximum Weight - Not more than 1,000 pounds total net weight of explosives may be carried in, on, or suspended from the aircraft.

d. Advanced Notice of FAA Office of Hazardous Materials Safety. The operator of the aircraft must notify the Office of Hazardous Materials Safety (9-AWA-AXH-SPFlightNotifications@faa.gov) in the region where the flight will originate. This notification must be given at least 72 hours in advance of plans to operate under the special permit, unless prior arrangements have been made with the Office of Hazardous Materials Safety. The notification must include the point of departure, intermediate stops, destination(s), and a loading and departure schedule. If a flight schedule deviates more than four hours from the originally scheduled departure time, the operator of the aircraft must immediately notify 9-AWA-AXH-SPFlightNotifications@faa.gov. Alternative notification procedures may be established subject to the written approval of the Office of Hazardous Materials Safety.

e. Advance Permission from Airport - If an airport is used, the operator of the aircraft must have advance permission from the owner or operator of each manned airport where the material is to be loaded or unloaded or where aircraft is to land while the materials are on board. When the destination is changed after departure because of weather or other unforeseen circumstances, permission from the owner or operator of the alternate airport must be obtained as soon as practicable.

f. Flight Plan - The operator of the aircraft must include the following information in the "Remarks" section of each flight plan when the provisions of this special permit are exercised:

(1) The classification of each hazardous material aboard, attached to or suspended from the aircraft.

(2) The net weight of each class of hazardous material aboard the aircraft.

(3) This requirement does not apply to operations

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where a flight plan cannot be filed (e.g., operating in remote areas or uncontrolled airspace).

g. Loading and Unloading - Loading and unloading operations under this special permit must comply with the following:

(1) The loading and unloading of the aircraft must be conducted at a safe distance from heavily populated areas and from any place of human abode or assembly. However, at an airport where the airport owner or operator or authorized representative thereof has designated a specific location for loading or unloading, the explosives may not be loaded or unloaded at any other location.

(2) Carriage of explosives under this special permit is subject to the same limitations and conditions specified for their transportation by motor vehicle in § 177.835(g) and § 177.848.

(3) During loading or unloading, no person may smoke an electronic cigarette, smoke or carry a lighted cigarette, cigar or pipe or operate any device capable of causing an open flame or spark within 50 feet of the aircraft.

(4) No fueling operations of the aircraft may be conducted during loading and unloading of the explosives. Whenever possible fueling operations shall be conducted without hazardous materials attached to the aircraft and located at a safe distance from any hazardous materials.

(5) A static discharge procedure must be implemented for Class 1 materials.

h. Requirements During Operation of Aircraft: Operation of the aircraft during takeoff, en route, and landing must be conducted at a safe distance from heavily populated areas.

(1) Before movement of the aircraft prior to take-off, in an airport traffic area, the pilot of the aircraft must notify the control tower of the class(es) of explosive(s) (including ammunition) on board.

(2) The pilot of the aircraft, prior to entering an

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airport traffic area, must notify the control tower of the amount and class of explosives on board and request this information be relayed to the appropriate airport officials. For airports without control towers, this call must be made to the Flight Service Station nearest the airport of intended landing.

(3) When under radar control during the approach and landing phase, the pilot must request appropriate vectors to avoid heavily populated areas.

(4) Whenever explosives are on board, attached to or suspended from the aircraft, the pilot must ensure that no person on the aircraft may smoke an electronic cigarette, smoke or carry a lighted cigarette, cigar or pipe or operate any device capable of causing an open flame or spark.

i. Pilot Requirements: The operator of the aircraft must ensure the following with respect to pilots of aircraft operating under this special permit:

(1) A minimum of two pilots is required aboard any multi-engine aircraft carrying explosives under this special permit.

(2) Each pilot must be provided written instructions outlining any conditions and limitations applicable at each airport of intended use. The name of the official(s) granting the advance permission required by paragraph 8.e. above must be included in these instructions, except when a landing permit has been granted by an agency of the Department of Defense for landing at a military installation.

(3) Each pilot of an aircraft being operated under this special permit must have received formal training on the requirements of the HMR that are applicable to his duties and be thoroughly familiar with the specific requirements of this special permit.

j. Attendance of Explosives: Explosives that are forbidden for transportation aboard aircraft in the HMR must be attended at all times they are in the possession of the operator (from the time of receipt from consignor until time of receipt by the consignee) unless placed in an explosive storage magazine that is approved by the Federal, State or local authority or at a location on a military installation

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designated by appropriate military authorities.

k. A copy of the required security plan must be made available to any DOT inspector upon request.

l. Alternative notification procedures for 49 CFR Part 175.33, may be established subject to the written approval of the cognizant Regional Hazardous Materials Manager.

9. SPECIAL PROVISIONS:

a. The requirements for shipping papers in Subpart C of Part 172 are waived.

b. Each package must be properly marked and labeled for the hazardous materials contained within.

c. The marking requirements of 49 CFR 172.301(c) and 172.302(c) are waived.

10. MODES OF TRANSPORTATION AUTHORIZED: Rotorcraft External Load Operations.

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

a. Authorized aircraft. Aircraft used under this special permit must be authorized as part of an FAA 14 CFR Part 133 or 135 Operating Certificate.

b. Operations manual. FAA 14 CFR Part 133 or 135 operations must be conducted in accordance with conditions and limitations specified in the certificate holder's FAA-approved Rotorcraft Load Combination Flight Manual (RLCFM) and Hazardous Material Safety Mitigation Plan.

c. Authorized persons aboard aircraft. No person may be carried on the aircraft other than as authorized by 14 CFR 133.35.

d. Operations under the terms of this special permit must be conducted in accordance with the Congested Area Plan (when applicable) approved by the FAA.

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12. 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.

13. 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

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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 William Schoonover
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: Andrew Eckenrode