



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

March 10, 2023

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21500

EXPIRATION DATE: 2025-02-28

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: American Ecycle, Inc.
Eastanollee, GA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of fire-damaged lithium ion batteries in alternative packaging for disposal, destruction, or recycling. 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 § 173.185(f) in that alternative packaging is authorized.
5. BASIS: This special permit is based on the application of American Ecycle, Inc. dated January 10, 2023 and supplemental information dated February 17, 2023, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2023014633

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Lithium ion batteries <i>including lithium ion polymer batteries</i>	9	UN3480	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packaging are roll-off containers (22'Lx8'Wx5'7"H) as described in the American Ecyle, Inc.'s supplement dated February 17, 2023 and which is on file with the Office of Hazardous Materials Safety (OHMS). Packaging is as follows:

- (1) The saline solution must be completely withdrawn from the roll-off containers.
- (2) The inner shell of each roll-off container must be lined with polyethylene plastic sheeting to prevent potential short-circuiting between the damaged batteries and the carbon steel shell of the container.
- (3) Each container must have in the bottom of the container approximately 2 inches of clay-based granular absorbent material identified in the American Ecyle, Inc.'s February 17, 2023, supplement (referred to as granular material hereafter in lieu of the trade name provided in the February 17, 2023; supplement and which is on file with the OHMS), a noncombustible, electrically non-conductive absorbent.
- (4) Alternating layers of damaged batteries and granular material must be placed in the container with a minimum of two (2) inch space between each layer of battery and granular material ensuring that all voids are filled.
- (5) Prior to closing the container, approximately 2 inches of the granular material must be loose-filled over the last layer of battery at the top of each container.
- (6) The top of the container must be securely closed to ensure that no materials will be ejected from the container during transportation.

(7) Each container is limited to not more than 9553 kg (21,060 pounds) net weight of damaged batteries.

(8) Each vehicle may contain not more than one roll-off container.

b. OPERATIONAL CONTROLS:

(1) The batteries packaged for transport are fire-damaged lithium ion batteries placed in a saline solution to reduce the state of charge.

(2) The damaged batteries after removing the saline solution must be held and monitored for at least seven days in the roll-off containers in order to ensure there is no venting of toxic or flammable gas, leakage, heat, smoke, fire or other adverse reactions prior to being offered for transportation. The damaged batteries for transportation are not more than one hundred eighty (180) cubic yard (138 m³) in volume, or 114,632 kg (252,720 pounds) in weight.

(3) The dedicated vehicles owned by Marion Environmental Incorporated must be directly driven from 1150 Turner Road, Eastanollee, Georgia to 198 McJunkin Road, Toccoa, Georgia, not more than 5 miles for disposal, destruction or recycling.

(4) The drivers must be briefed on the safety issues associated with the damaged batteries.

c. MARKING: Each package (roll-off container) covered under the terms of this special permit must be durably and legibly marked and displayed on a background of contrasting color with the following:

(1) "DOT-SP 21500".

(2) The words: "Batteries for Recycling or Disposal: Contains Damaged or Defective Lithium Batteries - FOR HIGHWAY TRANSPORT ONLY - FORBIDDEN FOR TRANSPORTATION BY AIRCRAFT OR VESSEL" in letters at least 12 mm in height.

(3) The lithium battery mark in 49 CFR 173.185(c)(3)(i).

(4) An emergency response telephone number in case of damage to the packaging or contents.

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 change is made to the package or its contents 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.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 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.:

A handwritten signature in blue ink, appearing to read "W. Schoonover", is written over a light blue circular stamp.

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-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: SH/TG