1. GRANTEE: (See individual authorization letter)

2. PURPOSE AND LIMITATION:
   a. This special permit authorizes the discharge of specific hazardous material from an authorized DOT specification cylinder without removing the cylinder from the vehicle on which it is transported. 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 development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
   c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.


4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 172.200 in that shipping papers are not required, § 172.301(c) in that the requirement to mark each package with the special permit number is waived; § 177.834(h) in that discharge of the material during transportation is authorized, except as specified herein.

5. BASIS: This special permit is based on the application of Cummins Inc. dated August 31, 2022, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2022094021
6. HAZARDOUS MATERIALS (49 CFR 172.101):

<table>
<thead>
<tr>
<th>Hazardous Materials Description</th>
<th>Hazard Class/Division</th>
<th>Identification Number</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air, compressed</td>
<td>2.2</td>
<td>UN1002</td>
<td>N/A</td>
</tr>
<tr>
<td>Compressed gas, flammable, n.o.s. (contains hydrogen)</td>
<td>2.1</td>
<td>UN1954</td>
<td>N/A</td>
</tr>
</tbody>
</table>

7. SAFETY CONTROL MEASURES:

   a. PACKAGING: Prescribed packagings consist of a DOT specification cylinder contained in part of an exhaust emission monitor device as shown in the applications on file with the Office of Hazardous Materials Safety Approvals and Permits Division (OHMSAPD). The approved cylinders are: DOT specification 3AL-2216 cylinders having a diameter of approximately 3.25 inches and a maximum length of approximately 14.5 inches, DOT specification 3AL-3000 cylinders having a diameter of approximately 3.21 inches and a maximum length of approximately 10.8 inches, and DOT specification 3AL-2216 cylinders having a diameter of approximately 6.89 inches and a maximum length of approximately 15.625 inches (the DOT specification cylinders are equipped with a pressure relief device).

   b. TESTING: Each cylinder must be requalified as specified in § 180.209 for DOT Specification 3AL cylinders.

   c. OPERATIONAL CONTROLS:

      1. Cylinders may not be offered for transportation unless contained within the specially designed cylinder case or holder as described in the applications for special permit on file with the Office of Hazardous Materials Safety General Approvals and Permits (OHMSGAP).

      2. The flow of materials must automatically shut-off if the gas line is accidentally interrupted or leaks occur downstream of the regulator.

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 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.

c. The marking requirement in § 172.301(c) is waived.

d. The applicability of this special permit is limited to in-field measurement of
engine emissions during normal operation over roads and highways as mandated by 40
CFR, Part 1065, Subpart J.

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:

- All terms and conditions prescribed in this special permit and the Hazardous

- 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.

- 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
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.:

[Signature]

for William Schoonover
Associate Administrator for Hazardous Materials Safety


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](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: VC/TG