U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

East Building, PHH – 32
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

APPROVAL CA2006020030
ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES
EXPIRATION DATE: March 31, 2011
First Revision

1. **APPROVAL HOLDER:** Members of the International Fibre Drum Institute as individual grantees on file with the Office of Hazardous Materials Special Permits and Approvals Washington DC 20005

2. **REGULATORY AUTHORITY:** 49 CFR § 178.601(g)(7)

3. **SYNOPSIS:** Members of the International Fibre Drum Institute (IFDI) are authorized to perform selective testing of minor variations of a tested design type UN standard fibre drum in accordance with conditions set forth in this approval.

4. **BASIS:** This approval is issued in response to International Fibre Drum Institute's application dated November 22, 2004, and may only be used by authorized members identified by the IFDI in the current listing on file with the Associate Administrator.

5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This approval does not provide relief from any requirements of the Hazardous Materials Regulations except as stated herein. This approval is valid until the posted expiration date or until terminated by the Associate Administrator for Hazardous Materials Safety.

   a. Applicability: This approval applies to fibre drums manufactured from multiple plies of linerboard or paperboard. This approval does not modify the following:

      (1) The requirement in 49 CFR § 178.604 to conduct a leakproofness test; and

(2) The authority for selective testing of packagings set forth in 49 CFR § 178.601 (g)(1)-(6).

b. Drum Design Type: A person who manufactures a UN1G drum must perform design qualification testing and periodic retesting in accordance with 49 CFR Part 178 on each different drum design type. A change in any one or more of the following design elements constitutes a different drum design type:

(1) The style (i.e., all fibre or lock ring);

(2) Except as provided in § 178.601 (c)(4)(ii) or (g)(3) of this section, the rated (marked) capacity and outside dimensions;

(3) The physical state for which the packaging was originally approved (e.g., tested for solids or liquids);

(4) An increase in the marked level of performance of the original drum (i.e. to a higher packaging group, gross mass, hydrostatic test pressure, or specific gravity to which the packaging has been tested);

(5) For material:

(a) A change in the type of material used for a component (e.g., fibre, steel, plastic);

(b) An increase greater than 15 percent, or any decrease in the thickness of the components of the drum, including cover or bottom.

(c) A change in the Mullen strength of paper in the body, resulting in Mullen strength of more than 15 percent, or any decrease.

(6) For liquids:

(a) the location, type, or size of fittings;

(7) Gasket material (e.g., plastic), or properties affecting the performance of the gasket;

(a) For liquids, the configuration of the gasket;

(b) For solids:

(i) Where the design type has passed tests without a gasket, a gasket may be added without re-testing;

(ii) Where the design type has passed tests with a gasket, other gasket materials may be used without re-testing;

(8) Where a design type has successfully passed tests with an inner plastic liner, liners of equal or greater thickness may be used as long as the drum performance is unaffected.

For a fibre drum, variations in elements other than those listed above are considered minor and do not constitute a different drum design type, or "different packaging" as defined in 49 CFR 178.601 (c), for which design qualification testing and periodic re-testing are required.

6. **SPECIAL PROVISIONS**:

(1) Any person manufacturing, testing, or marking fibre drums in accordance with this approval must have a copy of this approval available for examination at each location where manufacturing, testing, or marking takes place. Drums incorporating variations authorized under this approval must be identified in production records as conforming to a drum design type in a specifically identified design qualification test report.

(2) Notwithstanding the provisions of this approval, a UN marking placed on a fibre drum constitutes the manufacturer's certification that the drum is capable of meeting all of the applicable UN performance packaging requirements of 49 CFR Part 178, Subparts L and M.

(3) The Associate Administrator for Hazardous Materials Safety may, at any time, require additional testing to demonstrate compliance by a manufacturer in accordance with Subpart M of Part 178. The manufacturer must conduct performance tests, or have tests conducted by an independent testing facility, as directed by the Associate Administrator or his designated representative.

(4) Only current Members of the International Fibre Drum Institute (IFDI) are authorized to perform the selective testing of minor variations of a tested design type UN standard fibre drum in accordance with conditions set forth in this approval.

(5) A listing of current members of The International Fibre Drum Institute (IFDI) must remain on file with the Associate Administrator for Hazardous Materials Safety. This listing must be received by the Office of Special Permits and Approvals annually, and no later than 30 days after the anniversary of the signature date of this approval.

7. **GENERAL PROVISIONS**:

a. Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR Parts 171-180, may result in the modification, suspension or termination of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances or additional information not available when this approval was issued. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, that person will be notified and provided with an opportunity to show why the proposed action should not be taken.

b. Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.

c. Any person operating under the terms of this approval must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

Issued in Washington, D.C.

Dated: 01/15/2010

For Dr. Magdy El-Sibaie
Acting Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-30.