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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15219-2009

Replacing GB 15219-1994

**Quality assurance for packaging used in transport of
radioactive material**

放射性物质运输包装质量保证

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Foreword

This standard replaces GB 15219-1994 "radioactive material transport packaging quality assurance." This standard and GB 15219-1994 "radioactive material transport packaging quality assurance" Compared to major changes are as follows:

- Former Chapter 16, "staff training" to "Staffing and training" and a chapter merged with the "organization."
- The definition of packaging and packages according to GB 11806-2004 "Regulations for the Safe Transport of radioactive material" has been revised.
- Quality assurance for content rating was revised.
- The HAF0400 to HAF003, and an indirect reference to the relevant provisions of the revised HAF003 direct reference.
- Added process control part.
- In the "controlled items" chapter increased handling, transport and storage of controlled content.
- Order of chapters were adjusted accordingly.
- Added Appendix C "quality assurance recordkeeping requirements." The Standard Appendix A, Appendix C is a normative appendix, Appendix B is an informative annex. The standard proposed by China National Nuclear Corporation. This standard by the National Standardization Technical Committee on Nuclear Energy (SAC/TC58) centralized. This standard was drafted. China Nuclear Power Engineering Co., Ltd. The main drafters of this standard. Wang, Huang Yi Da, Xie Liang. This standard replaces the previous editions of the standard.
- GB 15219-1994. Transport of radioactive material packaging quality assurance

1 Scope

GB/T 15219-2009 is the Chinese national standard on quality assurance for packaging used in transport of radioactive material, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 13 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 13.280, CCS F73. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the transport of radioactive material packaging design, procurement, manufacturing, handling, transportation, storage, inspection, testing, operation and maintenance to And improvement of the quality assurance basic requirements. This standard applies to all activities related to the quality of transport of radioactive material packaging related.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 11806-2004 safe transport of radioactive materials regulations

3 Terms and Definitions

GB 11806-2004 and specified in the following terms and definitions apply to this standard.

3.1 Fully enclosed combination radioactive contents required for the various components. Typically include one or more chambers, absorbent material, between Spacer member, radiation shielding and for pneumatic, emptying, ventilation and decompression of assistive devices for cooling, absorbing mechanical shocks, handling and tie-in And insulation parts, as well as constituting the overall package of auxiliary devices. Packaging can be a box, drum or similar container may also be a freight container, Tank or bulk container.

3.2 Submit collectively transport packaging with its radioactive contents.

4.1 Overview Unit (hereinafter referred to as the unit)

4.1.1 involved in influencing transport of radioactive material packaging quality activities in accordance with the quality assurance program shall be Requirements, refer to the provisions of Appendix A to develop their own quality assurance program (hereinafter referred to as the outline). Outline cope with the transport of radioactive material packaging Off work (such as packaging design, procurement, manufacturing, lifting, transportation, storage, inspection, testing, operation, maintenance and improvement) to control Provisions; the relevant units should prepare a planned system to perform quality assurance program procedures, according to the progress of work and to ensure effective implementation of the outline, will be Of the program review and revision.

4.1.2 outline should specify technical requirements to carry out various activities, clear project norms, standards and technical specifications should be used, As well as measures to ensure that these requirements are met.

4.1.3 The program shall be responsible for determining and implementing quality assurance activities planned organizational structure and clearly defined responsibilities for the organization and personnel and that power.

4.1.4 The outline should be based on the dangers of the radioactive contents of the package and its annex radioactive material provide for appropriate management and verification of party Law or grade. The importance of security should be based on the items in the outline on the impact of these items was the quality of activities under appropriate control and verification Methods or levels.

4.1.5 To complete the outline should affect the quality of the activities under the control of appropriate conditions, these conditions shall include requirements to achieve the required quality