

ICS 13.280

CCS F 74



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

GB/T 17947-2008

Replacing GB/T 17947-2000

**Activity measurements of solid materials considered for
recycling re-use, or disposal as non-radioactive waste**

拟再循环、再利用或作非放射性废物处置的固体物质的放射性活度测量

(English Translation)

Issued on: July 2, 2008

Implemented on: April 1, 2009

Issued by: Standardization Administration of China

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References

Foreword

This standard is identical with ISO 11932:1996 Radioactive "for recycling, reuse or disposal of radioactive waste for non-solid materials Activity measurement. " this standard made the following editorial changes.

--- Remove the foreword and introduction of international standards;

--- Deletion of some of the terms and definitions (for example. activity, specific activity, surface contamination and surface activity in GB/T 4960.5-1996 "nuclear Scientific and technical terminology radiation protection and security "in the existing provisions).

This standard replaces GB/T 17947-2000 "for recycling, reuse or for solids non-radioactive waste disposal radioactive live Measurement. " This standard compared with GB/T 17947-2000, the main changes are.

--- Deletion of the ISO "Preface" and "Introduction";

--- A reference standard complements update.

This standard Annex A, Annex B normative appendix.

The standard proposed by China National Nuclear Corporation.

This standard by the National Standardization Technical Committee of nuclear energy.

This standard was drafted. Nuclear Industry Standardization Institute, China Institute for

Radiation Protection.

1 Scope

This standard specifies the operation and decommissioning of nuclear facilities, to be recycled, reused or as a solid material non-discharge of radioactive waste disposal Principles and methods of measuring radioactive activity.

This standard applies to the operation and decommissioning of nuclear facilities, to be recycled, reused or as a solid material non-discharge of radioactive waste disposal Radioactive activity measurement, in order to determine whether these substances meet the clearance criteria published.

Other sources, to be recycled, reused or for radioactivity measurement of solid material non-radioactive waste disposal, can refer to this standard Associate Executive.

This standard does not apply to a general sense of radioactive waste.

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/T 5202 Radiation protection instrumentation alpha, beta and alpha/beta (beta energy greater than 60keV) contamination meters and monitors (GB/T 5202-2008, IEC 60325:2002, IDT) GB/T 12128 reference source for beta emitters and alpha emitters calibration of surface contamination monitors (GB/T 12128-1989, neq ISO 8769. 1986) GB/T 12162.1 X and gamma reference radiations for calibrating dosimeters part and dose rate meters and for determining their response of 1. convergence Emission characteristics and production methods (GB/T 12162.1-2000, idt ISO 4037:1996) GB/T 12164 for calibrating dose (rate) meters and for determining their response of beta reference radiation (GB/T 12164-1999, eqv ISO 6980:1996) GB/T 14056.1 surface contamination - Part 1 beta emitters (Ebetamax > 0.15 MeV) and alpha emitters (GB/T 14056.1-2008, ISO 7503-1. 1988, MOD) GB/T 15222 Determination of the second part of tritium surface contamination of surface contamination (GB/T 15222-1994, eqv ISO 7503-2.

1988)

GB 18871 ionizing radiation protection and safety of radiation sources basic standards EJ/T 776 radiation protection beta, X and gamma radiation dose equivalent meter and dose equivalent rate meter EJ/T 984 environmental monitoring with X, gamma radiation dose rate meter first part of the meter type EJ/T 1204 measuring ionizing radiation detection limit

and decision threshold for

3 Terms and Definitions

This standard uses the following terms and definitions.

That portion of the surface can be directly measured pollution.

GB/T 17947-2008/ISO 11932:1996