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中华人民共和国国家标准

National Standard of the People's Republic of
China

GB 16487.2-2005
Replace GB 16487.2-1996

进口可用作原料的固体废物环境保护控制 标准—冶炼渣

Environmental protection control standard for imported solid wastes
as raw materials
—Smelt slag

2005-12-14 Issued

2006-02-01 Implement

Issued by State Environmental Protection Administration of China (SEPA)
General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China (AQSIQ).

Foreword

This standard is prepared for the purpose of implementing “Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste”, in

order to prevent the import of solid wastes that cannot be used as raw materials, standardize the import examination and licensing of solid wastes as raw materials and control the environmental pollution caused by smelt slag as raw materials.

As one of environmental protection control standards for imported solid wastes, this standard shall be applicable to the import administration of smelt slag (imported solid wastes as raw materials).

This version of standard made many revisions to GB16487.2-1996, such as the name, foreword, scope, cited standards, definition, control requirements, etc. In regard to the control requirements, we mainly revised the control requirements for the radioactivity and carried-wastes, and increased the categories of carried-wastes that are forbidden to import.

According to relevant law, this standard is enforceable.

This standard was proposed by the Department of Science, Technology and Standard, SEPA.

This standard was drafted by Chinese Research Academy of Environmental Sciences.

This standard was first issued on July 29, 1996.

This standard was approved by SEPA on November 9, 2005.

This standard shall be implemented as of February 1, 2006.

SEPA shall be responsible for interpreting this standard.

GB 16487.2-2005

Environmental protection control standard for imported solid wastes as raw materials—Smelt slag

1. Scope

This standard hereby sets forth the environmental protection control requirements for imported smelt slag.

This standard shall be applicable to the import administration of smelt slag with following customs commodity numbers.

| Customs commodity number | Name of solid wastes |
|--------------------------|--|
| 2619000000 | Slag, dross, scale and other wastes (exclusive of granulated slag from the manufacture of iron or steel) |
| 2620999010 | Calx and draff containing more than 10% of vanadium pentoxide |

2. Cited normative documents

The clauses in the following documents that were cited by this standard became clauses of this standard. For cited documents with a date, all their subsequent modifications or revisions do not apply to this standard. However, parties having reached an agreement based on cited standards with a date are encouraged to study whether the latest versions of the cited documents with a date are applicable. For cited documents without a date, the latest versions apply to this standard.

- GB 5085 Identification standard for hazardous wastes
- SN 0570 Inspection rules for the radioactive contamination of imported wastes as raw materials
- SN 0576 Inspection and quarantine rules for imported wastes as raw materials—smelt slag
- National Catalogue of Hazardous Wastes

3 Definitions

This standard shall use the following definition:

3.1 Carried-waste shall refer to substances mixed in imported smelt slag during the production, collection, packing and transportation processes (exclusive of packing materials for the imported smelt slag and other substances that need to be used during the transportation process).

4 Standards and requirements for control

4.1 Smelt slag shall be prohibited from bringing in following carried-wastes (exclusive of wastes listed in Article 4.4).

- (1) Radioactive wastes;
- (2) Explosive arms and ammunitions such as discarded bomb and shell, etc.;
- (3) Substances identified as hazardous wastes according to GB5085;
- (4) Other wastes listed in “National Catalogue of Hazardous Wastes”.

4.2 α and β radioactive contamination limit to the surface of the smelt slag: For any 300 cm^2 of the surface area, the average α specific activity value shall not exceed 0.04Bq/ cm^2 and that of β shall not exceed 0.4 Bq/ cm^2 .

4.3 The specific activity value of the radionuclide in the smelt slag shall not exceed the limits specified in List 1.

List 1 Specific activity limits of the radionuclide

| Radionuclide | Specific activity (Bq/g) |
|------------------|--------------------------|
| ^{59}Ni | 3×10^3 |

| | |
|---------------------|-------------------|
| ⁶³ Ni | 3x10 ³ |
| ⁵⁴ Mn | 3 |
| ⁶⁰ Co | 3 |
| ⁶⁵ Zn | 3 |
| ⁵⁵ Fe | 300 |
| ⁹⁰ Sr, | 3 |
| ¹³⁴ Cs | 3 |
| ¹³⁷ Cs | 3 |
| ²³⁵ U | 3 |
| ²³⁸ U | 3 |
| ²³⁹ Pu | 1 |
| ²⁴¹ Am | 3 |
| ¹⁵² Eu | 3 |
| ¹⁵⁴ Eu | 3 |
| ⁹⁴ Nb | 3 |
| Unknown β-γ mixture | 3 |
| Unknown α mixture | 1 |

4.4 Following carried-wastes shall be strictly restricted and their total weight shall not exceed 0.01% of the weight of imported smelt slag.

- (1) Asbestos waste or waste containing asbestos;
- (2) Sensitization material waste;
- (3) Sealed container;
- (4) Other hazardous wastes that can't avoid being mixed into the imported smelt slag during the production, collection and transportation processes.

4.5 In addition to the wastes listed above, other carried-wastes (such as waste wood, waste paper, waste plastic, waste rubber, waste glass, etc.) shall be restricted and their total weight shall not exceed 1% of the weight of the imported smelt slag.

5 Inspections

5.1 Inspections under Article 4.1(3) and Article 4.1(4) of this standard shall be performed in accordance with the provisions of GB5085.

5.2 Inspections under Article 4.1(1), Article 4.2 and Article 4.3 of this standard shall be performed in accordance with the provisions of SN0570.

5.3 Inspections of other terms under this standard shall be performed in accordance with the provisions of SN0576.