Chinastandards.org

EJ

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

EJ/T 20150.7-2018

Post-irradiation inspection of pressurized water reactor bundle beam assemblies - Part 7: Examination of the appearance of fuel rods

压水堆棒束型燃料组件辐照后检查 第7部分：燃料棒外观检查

(English Translation)

Issued on: January 18, 2018 **Implemented on: May 1, 2018**

Issued by: State Administration of Science, Technology and Industry for National Defense

Preview: page 1 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ej-t-20150-7-2018

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Equipment
2.2 Materials
3 Terms and definitions
3.1 Sampling
3.2 Mounting
3.3 Grinding
3.4 Mechanical Polishing
3.5 Etching
4 Inspection Methods
4.1 Stainless Steel and Nickel-based Alloy Weld Samples
4.2 Design Document Preparation
4.3 Determination of Survey Area
4.4 Determination of Baselines, Survey Lines, and Survey Grids
4.5 Method Selection and Measurement Point Layout
5 Records and Reports
5.1 Records
5.2 Field Reconnaissance
6 Structural Materials
7 Equipment Selection
8 Safety Considerations
9 Other Requirements

1 Foreword

EJ/T 20150.7-2018 was issued by State Administration of Science, Technology and Industry for National Defense on 18 January 2018 and has been in force since 1 May 2018.

It is one of 10 parts of the EJ/T 20150 series.

The EJ/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a

Preview: page 2 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ej-t-20150-7-2018

producer declares conformity with it.

2 Scope Preview

EJ/T 20150.7-2018 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 313 other EJ/T standards.

In this catalogue, EJ/T standards carry edition years from 1992 to 2018.

3 About this standard

Sector: Nuclear Industry Standard (Recommended)

Issued by: State Administration of Science, Technology and Industry for National Defense

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

EJ/T 20150.1-2018 - Post-irradiation inspection of pressurized water reactor bundle beam fuel assemblies - Part 1: General

EJ/T 20150.10-2018 - Post-irradiation inspection of pressurized water reactor bundle beam fuel assemblies - Part 10: Fuel rod leakage detection bubble method

EJ/T 20150.13-2018 - Part 13: X-ray inspection of fuel rods

EJ/T 20150.16-2018 - Post-irradiation inspection of pressurized water reactor bundles - Part 16: Fuel rod internal pressure measurement

EJ/T 20150.17-2018 - Post-irradiation inspection of pressurized water reactors - Part 17: Analysis of hydrazine and hydraz

EJ/T 20150.19-2018 - Post-irradiation inspection of pressurized water reactor bundles - Part 19: Tensile test for fuel cladding tubes

EJ/T 20150.21-2018 - Part 21: Internal pressure burst test for fuel cladding tubes

EJ/T 20150.25-2018 - Part 25: Metallographic examination of fuel rods

EJ/T 20150.29-2018 - Part 29: Hydrogen content measurement of fuel cladding tubes

Standards on related subjects:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

Preview: page 3 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ej-t-20150-7-2018

Chinastandards.org

5 Classification and status

Prefix EJ/T: recommended standard.

Preview: page 4 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ej-t-20150-7-2018