
STATUTORY INSTRUMENTS

2004 No. 1255

NUCLEAR SAFEGUARDS

The Nuclear Safeguards (Notification) Regulations 2004

Made - - - - - *1st May 2004*
Laid before Parliament *4th May 2004*
Coming into force *5th May 2004*

**THE NUCLEAR SAFEGUARDS
(NOTIFICATION) REGULATIONS 2004**

1. Citation and commencement
2. Interpretation
3. Persons required to notify the Secretary of State
- 4.
5. Persons not required to notify the ONR
6. Form of notification to the ONR
Signature

SCHEDULE —

PART I — ACTIVITIES REFERRED TO IN REGULATION 4(1)

1. The activities referred to in regulation 4(1) are:
2. In paragraph 1: “centrifuge rotor tubes” means thin-walled cylinders as...
3. The numbered entries referred to in paragraph 2 are the...

PART II — EXTRACTS FROM ANNEX II TO THE ADDITIONAL
PROTOCOL

1. REACTORS AND EQUIPMENT THEREFOR
 - 1.1 Complete nuclear reactors
EXPLANATORY NOTE
It is not intended to exclude reactors which could reasonably...
...
 - 1.4 Reactor control rods
EXPLANATORY NOTE
...
 - 1.6 Zirconium tubes

Changes to legislation: There are currently no known outstanding effects for the The Nuclear Safeguards (Notification) Regulations 2004. (See end of Document for details)

3. PLANTS FOR THE REPROCESSING OF IRRADIATED FUEL ELEMENTS, AND EQUIPMENT ESPECIALLY DESIGNED OR PREPARED THEREFOR
INTRODUCTORY NOTE
Purex facilities have process functions similar to each other, including:...
A “plant for the reprocessing of irradiated fuel elements” includes...
These processes, including the complete systems for plutonium conversion and...
Items of equipment that are considered to fall within the...
 - 3.1 Irradiated fuel element chopping machines
INTRODUCTORY NOTE
Remotely operated equipment especially designed or prepared for use in...
 - 3.2 Dissolvers
INTRODUCTORY NOTE
Critically safe tanks (e.g. small diameter, annular or slab tanks)...
...
 - 3.4 Chemical holding or storage vessels
INTRODUCTORY NOTE
Especially designed or prepared holding or storage vessels for use...
...
5. PLANTS FOR THE SEPARATION OF ISOTOPES OF URANIUM AND EQUIPMENT, OTHER THAN ANALYTICAL INSTRUMENTS, ESPECIALLY DESIGNED OR PREPARED THEREFOR
 - 5.1 Gas centrifuges and assemblies and components especially designed or prepared for use in gas centrifuges
INTRODUCTORY NOTE
 - 5.1.1 Rotating components
EXPLANATORY NOTE
...
 - 5.3.1 Gaseous diffusion barriers
 - 5.5.1 Separation nozzles
 - 5.5.2 Vortex tubes
EXPLANATORY NOTE
...
 - 5.6.1 Liquid-liquid exchange columns (Chemical exchange)
 - 5.6.2 Liquid-liquid centrifugal contactors (Chemical exchange)
 - 5.6.3 Uranium reduction systems and equipment (Chemical exchange)
EXPLANATORY NOTE
EXPLANATORY NOTE
...
 - 5.6.5 Uranium oxidation systems (Chemical exchange)
EXPLANATORY NOTE
 - 5.6.6 Fast-reacting ion exchange resins/adsorbents (Ion exchange)
 - 5.6.7 Ion exchange columns (Ion exchange)
 - 5.6.8 Ion exchange reflux systems (Ion exchange)
EXPLANATORY NOTE
The process may use, for example, trivalent iron (Fe³⁺) as...
 - 5.7 Especially designed or prepared systems, equipment and components for use in laser-based enrichment plants
INTRODUCTORY NOTE
EXPLANATORY NOTE
 - 5.7.1 Uranium vaporization systems (AVLIS)
 - 5.7.2 Liquid uranium metal handling systems (AVLIS)

EXPLANATORY NOTE

5.7.3 Uranium metal “product” and “tails” collector assemblies (AVLIS)

EXPLANATORY NOTE

5.7.4 Separator module housings (AVLIS)

EXPLANATORY NOTE

5.7.5 Supersonic expansion nozzles (MLIS)

5.7.6 Uranium pentafluoride product collectors (MLIS)

5.7.7 UF₆/carrier gas compressors (MLIS)

5.7.8 Rotary shaft seals (MLIS)

5.7.9 Fluorination systems (MLIS)

EXPLANATORY NOTE

5.7.10 UF₆ mass spectrometers/ion sources (MLIS)

5.7.11 Feed systems/product and tails withdrawal systems (MLIS)

5.7.12 UF₆/carrier gas separation systems (MLIS)

EXPLANATORY NOTE

5.7.13 Laser systems (AVLIS, MLIS and CRISLA)

EXPLANATORY NOTE

...

5.8.3 Uranium plasma generation systems

5.9.1 Electromagnetic isotope separators

EXPLANATORY NOTE

Explanatory Note

Changes to legislation:

There are currently no known outstanding effects for the The Nuclear Safeguards (Notification) Regulations 2004.