

## Content

Title :	Regulations for the Nuclear Fuels Operational Safety Management <b>Ch</b>
Date :	2004.05.19
Legislative :	1.中華民國九十三年五月十九日行政院原子能委員會會物字第 0930016029 號令訂定發布全文 22 條；並自發布日施行
Content :	<p>Regulations for the Nuclear Fuels Operational Safety Management</p> <p>Enforced by Letter Hui-Wu-Tzu No.0930016029 on May 19, 2004</p> <p>Article 1 These Regulations are enacted pursuant to Paragraph 5, Article 15 of the Nuclear Material and Radioactive Waste Management Act.</p> <p>Article 2 These Regulations shall apply to the safety management of the possess, use, import, export, transit, transship en route, transport, storage, discarding, assignment, leasing or pledge setting of nuclear fuel.</p> <p>Article 3 Prior to possess or use of nuclear fuel, the applicant shall prepare an application form describe the following matters, and submit it to the competent authority for approval: 1. Category, quantity, nature state and purpose. 2. Storage place, storage status and accumulated quantity. 3. Other matters specified by the competent authority in public notice. To apply for use of nuclear fuel, the application form shall describe the method employed and the operating equipment additionally. Where the nuclear fuel is to be used in nuclear reactor facilities, it is not necessary to submit application in accordance with the provisions of the preceding two Paragraphs.</p> <p>Article 4 The transport of nuclear fuel shall conform to the provisions of the Regulations for the Safe Transport of Radioactive Materials, and the consigner shall submit an application form stating the following matters and enclosed with a transport plan and a security control plan to the competent authority for approval prior to transport: 1. Category, quantity, nature state and purpose. 2. Expected shipment period. 3. Carrier. 4. Other matters specified by the competent authority in public notice. Prior to implementing the transport, the consigner shall fill in the transport manifest and submit them to the competent authority for reference.</p> <p>Article 5 The transport plan referred to in Paragraph 1 of the preceding Article shall state the following matters: 1. Transport route, equipment, machines, packaging or containment system, and operating procedure. 2. Grouping and communication measure of the workers 3. Radiation dose assessment and radiation protection measures.</p>

4. Accident assessment and emergency response measures.
5. Other matters specified by the competent authority in public notice.

The security control plan referred to in Paragraph 1 of the preceding Article shall state the following matters:

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1. Description of the organization and tasks of security control personnel.
2. Training and drilling of the security control personnel.
3. Security control measures.
4. Security guard against emergency incident.
5. Communication and notification method.
6. Other matters specified by the competent authority in public notice.

#### Article 6

For nuclear fuel transport by road, shall be conducted in accordance with the approved

transport plan, the security control plan, and the following provisions:

1. The driver shall be replaced after each 4 hours of driving.
2. There shall be guide and escort vehicle before and after the transport motorcade, and each transport vehicle shall be escorted by armed policemen with communication equipment.
3. The local and along the transport route police offices shall be informed in advance to perform traffic control and remove obstacles from the way.

#### Article 7

For nuclear fuel transport by rail, shall be conducted in accordance with the approved

transport plan, the security control plan, and the following provisions

1. Shall be transported by exclusive use train or cargo wagon.
2. Armed policemen with communication equipment shall be designated to escort, and they shall get off the train for surveillance when the train stops at an intermediate station.
3. The police offices at the predetermined intermediate stations shall be informed in advance to dispatch policemen for safeguard.
4. When the train arrives at the destination station, the armed policemen shall guard the delivery.

#### Article 8

For nuclear fuel transport by sea, shall be conducted in accordance with the approved

transport plan, the security control plan, and the following provisions:

1. The package shall be placed in isolated, sealed and locked compartments or freight containers.
2. If the transport is through a domestic course, personnel armed with communication equipment shall be designated to escort.
3. The harbor bureaus of the loading and unloading harbors and the police offices concerned shall be informed in advance for safeguard.
4. When the ship arrives at the destination harbor, the policemen armed with ammunitions shall safeguard the delivery of the fuel.

#### Article 9

Where the nuclear fuel is transported by air, the transport shall be conducted in accordance

with the approved transport plan, the safety control plan, and the following provisions:

1. The fuel shall be transported in air freighter.
2. The packages shall be placed in sealed and locked containers.
3. The airport offices of the takeoff and touchdown airports and the police offices concerned shall be informed in advance for safeguard.
4. When the aircraft arrives at the destination airport, the policemen

armed with  
ammunitions shall safeguard the delivery of the fuel.

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#### Article 10

To apply for importation of nuclear fuel, the applicant shall prepare an application form stating the following matters, and submit it together with the original of the exporting permit produced by the exporting country or its photocopy notarized by notary public to the competent authority for approval prior to importation:

1. Category, quantity, nature and purpose.
2. Exporter.
3. Other matters specified by the competent authority in public notice.

Application for importation referred to in the preceding Paragraph may be filed together with application for holding or use filed under Article 3.

#### Article 11

To apply for exportation of nuclear fuel, the applicant shall prepare an application form stating the following matters, and submit it together with the original of the importation permit produced by the importing country or its photocopy notarized by notary public to the competent authority for approval prior to exportation:

1. Category, quantity, and nature.
2. Importer and purpose of importation.
3. Other matters specified by the competent authority in public notice.

#### Article 12

To apply for transit of nuclear fuel, the applicant shall prepare an application form and submit it together with the following documents to the competent authority for approval prior to transit:

1. The original of the accident compensation insurance document conforming to the provisions of the Nuclear Damage Compensation Act of the Republic of China, or its photocopy notarized by notary public.
2. The original of the permit produced by the original exporting country, or its photocopy notarized by notary public.
3. The original of the permit produced by the importing country, or its photocopy notarized by notary public.
4. Shipment document.
5. Other matters specified by the competent authority in public notice.

Nuclear fuel applying for transit may not be unloaded and stored in the transit port without permission.

To apply for unloading and storage as referred to in the preceding Paragraph, a safety control plan for the period of storage in the transit port shall be submitted, and the matters to be stated in the plan is as prescribed in Paragraph Two of Article 5.

#### Article 13

To store nuclear fuel, the operator shall prepare an application form stating the following matters and submit it to the competent authority for approval prior to storage:

1. Category, quantity, nature and purpose.
2. Storage place and method.
3. Material control and accounting system.
4. Other matters specified by the competent authority in public notice.

Where the nuclear fuel is to be stored in approved storage facility, it is not necessary to file

application in accordance with the provisions of the preceding Paragraph.

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#### Article 14

To discard nuclear fuel, the operator shall prepare an application form stating the following matters and submit it to the competent authority for approval prior to discarding:

1. Category, quantity, nature and original purpose.
  2. Reason for discarding.
  3. Other matters specified by the competent authority in public notice.
- Nuclear fuel subject to approved discarding shall be handled in accordance with the related regulations governing radioactive waste.

#### Article 15

To transfer nuclear fuel, the transferee shall prepare an application form stating the following matters, and submit it together with the holding permit of the transfer to the competent authority for approval prior to transfer:

1. Category, quantity, nature and purpose.
  2. Predetermined date of transfer.
  3. Other matters specified by the competent authority in public notice.
- Application for transfer referred to in the preceding Paragraph shall be filed together with application for holding filed under Article 3.

#### Article 16

To lease nuclear fuel, the leaser shall prepare an application form stating the following matters, and submit it together with the holding permit of the lessor to the competent authority for approval prior to leasing:

1. Category, quantity, nature and purpose.
  2. Predetermined term of leasehold.
  3. Other matters specified by the competent authority in public notice.
- Application for lease referred to in the preceding Paragraph shall be filed together with application for use filed under Article 3.

#### Article 17

To set the right of pledge of nuclear fuel, the pledgee shall prepare an application form stating the following matters, and submit it together with the holding permit of the pledger to the competent authority for approval prior to pledging:

1. Category, quantity, nature and purpose.
2. Reason for and term of pledging.
3. Other matters specified by the competent authority in public notice

#### Article 18

Where the operating of nuclear fuel involves transport or storage, the consigner or operator shall, upon filing application, additionally submit the original of guarantee of performing compensation liability for nuclear damage or financial guarantee, or its photocopy notarized by notary public.

#### Article 19

For the operating of nuclear fuel under any of the following abnormal or emergent circumstances, the operator or applicant shall notify the competent authority within two hours after the occurrence or finding of the abnormality or emergency, and bring forward a written report within thirty days:

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1. Due to natural disaster or other factors, the safety of nuclear fuel is substantially threatened or the safety operating is encumbered.

2. The radiation dosage received by the relevant persons or the radioactive substance released during the operating process is more than the limit set forth in the Ionizing Radiation Prevention Act.

3. The nuclear is lost, stolen or damaged.

#### Article 20

Where the operating of nuclear fuel involves transport, it shall be handled in accordance with the provisions of Articles 4 to 9.

For the transport of nuclear fuel under any of the following circumstances, the consigner

shall submit an application form to the competent authority, and after it is approved, the

consigner may be exempted from submission of the transport plan and the safety control plan,

and may be exempted from the provisions of Articles 6 to 9 and Article 18:

1. Where the ratio of Ur235 to Ur238 is higher than the natural mixing ratio but lower than 5%,

wherein the content of Ur235 is less than 2kg.

2. Where the ratio of Ur235 to Ur238 is higher than 5%, wherein the content of Ur235 is less than 800g.

3. Where the weight of Ur233 is less than 500g.

#### Article 21

The formats of the application forms set forth in these Regulations shall be prescribed by the competent authority.

#### Article 22

These Regulations shall come into force as of the date of promulgation.