

## **REGULATION OF THE COUNCIL OF MINISTERS**

of 6 August 2002

### **on nuclear regulatory inspectors (Journal of Laws no. 137, item 1154)**

Pursuant to art. 71 item 2 of the Atomic Energy Law of 29 November 2000 (Journal of Laws of 2001, no. 3, item 18, no. 100, item 1085, no. 154, item 1800, of 2002, no. 74, item 676), the following is ordained:

§ 1. This regulation defines:

- 1) detailed training conditions for the candidates for the office of nuclear regulatory inspector;
- 2) detailed qualifying exams conditions for the office of nuclear regulatory inspector;
- 3) model certificate of qualifications for the office of nuclear regulatory inspector.

§ 2. 1. A candidate for the office of nuclear regulatory inspector authorised to exercise control in organisational entities, other than those set forth in section 3 hereof, whose activity involves the risk of exposure, shall participate in first degree training ending in a first degree qualifying exam.

2. First degree training shall continue for 9 months, including:

- 1) 6 months in organisational entities operating under a license issued by the President of the National Atomic Energy Agency, hereinafter referred to as the Agency President, or in foreign institutions, in accordance with the programme developed individually for the candidate;
- 2) 3 months in the National Atomic Energy Agency, hereinafter referred to as the Agency, in a department competent for the supervision of ionising radiation applications.

3. Upon the successful completion of first degree training and the passage of the first degree exam, the candidate for the office of nuclear regulatory inspector authorised to exercise control at organisational entities operating nuclear facilities, organisational entities which manufacture and process nuclear fuel, process radioactive waste, store or dispose of radioactive waste or spent nuclear fuel and transport nuclear fuel, shall participate in second degree training ending in a second degree qualifying exam.

4. The candidate shall undergo second degree training lasting for 12 months in entities listed in section 3, including at least 6 months in organisational entities which operate a nuclear reactor, in accordance with the programme developed individually for the candidate.

§ 3. The programme of the training, as per §2 section 2 item 2, shall include:

- 1) analysis of legal provisions and international agreements relating to nuclear safety and radiation protection;
- 2) analysis of documents required for the issuing of licenses to perform practices which are subject to a licensing requirement;
- 3) participation in inspections conducted by nuclear regulatory inspectors in capacity of observers.

§ 4. 1. The candidate shall undergo the training, as per §2 section 2 item 1 and section 4, the under an agreement signed by the Agency President with head of the organisational entity where the training is to take place.

2. The terms of training are set in an agreement signed by the Agency President and the head of the organisational entity where the candidate undergoes training.

3. Candidates who held the office of radiation protection inspectors in the course of the previous 2 years or who were subject to occupational exposure in the course of the previous 5 years during employment in an organisational entity whose activity corresponded with the programme of training, as per §2 section 2 item 1, may be released from first degree training in whole or in part, except for the part of training conducted in the Agency's department responsible for the supervision of ionising radiation applications.

4. Candidates with at least 3 years' professional experience in an organisational entity operating a nuclear reactor, employed in an office directly related to reactor operation, may be released from second degree training in whole or in part.

§ 5. The Chief Nuclear Regulatory Inspector shall appoint a training supervisor from among nuclear regulatory inspectors who shall ensure that the candidate's training programme is carried out adequately.

§ 6. 1. The course of the training programme shall be documented in the training log.

2. The training log kept by the candidate shall contain the following information:

- 1) candidate's personal data;
- 2) date of training commencement and completion;
- 3) information on the course of training and activities undertaken during training;
- 4) opinions of the heads of organisational entities where the candidate underwent training;
- 5) opinion of the candidate's training supervisor.

§ 7. The Chief Nuclear Regulatory Inspector shall be responsible for developing the training programmes, issuing decisions on training completion and releasing candidates from training under circumstances set forth in §4 sections 3 and 4 hereof.

§ 8. 1. The qualifying exam, as per §2 sections 1 and 3 hereof, will take place before examination commissions of 6 members appointed by the Agency President for first and second degree exams respectively.

2. The Agency President shall appoint examination committee members and shall define the commission operation mode.

3. The examination commission shall consist of specialists from the following fields:

- 1) nuclear technologies;
- 2) radiation safety and protection;
- 3) nuclear materials management.

§ 9. The examination commission shall be responsible for:

- 1) preparation of exam questions;
- 2) conducting the exam;
- 3) assessment of the oral and written parts of the exam;
- 4) preparation of the exam report.

§ 10. 1. The qualifying exam shall consist of a written part comprising 3 calculation problems relating to the operating parameters of supervised equipment in view of its impact on people and the environment, as well as an oral part comprising 6 questions drawn by the candidate from a set of 100 questions.

2. The first degree qualifying exam will verify the candidate's knowledge of:

- 1) physical and biological grounds for the impact of ionising radiation and radiation protection;
- 2) Atomic Energy Law and other regulations relating to nuclear safety and radiation protection, which are in force in the Republic of Poland;
- 3) international conventions on nuclear safety and radiation protection to which Poland is party;
- 4) Code of administrative proceedings;
- 5) general rules of applying ionising radiation, including quality assurance systems, particularly in medicine;
- 6) devices and technologies applied in practices to be controlled by the candidate, in particular crucial features pertinent to nuclear safety and radiation protection, and in respect of medical equipment – also radiation protection of patients;

- 7) dosimetry devices and control methods applied in radiation protection;
  - 8) issuing of licenses for practices which involve exposure;
  - 9) regulatory procedures, concerning in particular analyses of nuclear safety and radiation protection of controlled practices, carrying out inspections, issuing protocols and ad hoc decisions.
3. The second degree qualifications exam will verify the candidate's knowledge of:
- 1) basic reactor physics;
  - 2) basic physics of heat exchange in reactors;
  - 3) technical documentation, design and operating parameters of controlled facilities;
  - 4) control and safety system, process control and emergency systems in controlled facilities;
  - 5) nuclear fuel and radioactive waste management, including basic technologies applied during the processing of nuclear fuel and conditioning of radioactive waste;
  - 6) question of radiological protection at reactor facilities;
  - 7) emergency procedure plans for nuclear facilities, plants which process, condition, store or dispose of radioactive waste or spent nuclear fuel, for the transport of radioactive sources, waste and nuclear materials;
  - 8) regulatory procedures, in particular analyses of nuclear safety and radiation protection of controlled practices, physical protection of sites and nuclear materials, nuclear materials accountancy, carrying out inspections, issuing protocols and ad hoc decisions.
4. The Chief Nuclear Regulatory Inspector shall set the date and the place of the exam and shall notify the candidate of the above upon at least one month's notice prior to the exam date.
- § 11. 1. The written part of the exam shall last 90 minutes.
2. The examination commission shall award points on a 0 - 10 scale for every calculation problem.
  3. The passing grade for the written part of the exam shall be 20 points.
  4. In the oral section of the exam, the examination commission shall award points on a 0 - 5 scale for the answers to every question.
  5. The passing grade for the oral part of the exam shall be 20 points.
  6. Only candidates who have passed the written part of the exam shall be admitted to the oral section of the exam.
  7. The qualifying exam shall be deemed passed if the candidate passes both the written and the oral part of the exam.
  8. The commission shall develop a report on first degree and second degree qualifying exams. Report models are presented in Annexes no. 1 and 2 hereto respectively.
  9. Candidates who fail the exam shall be able to retake the exam not earlier than 2 months from the date of the exam.
- § 12. 1. Candidates who pass the first degree or the second degree qualifying exam shall receive a respective certificate from the Chief Nuclear Regulatory Inspector confirming that the candidate is qualified to hold the office of nuclear supervision inspector.
2. Certificate models are presented in Annexes no. 3 and 4 hereto respectively.
- § 13. This regulation becomes effective 14 days from publication.

President of the Council of Ministers: *L. Miller*

Annexes to the regulation of the Council of Ministers of 6 August 2002 (item 1154)

Annex no. 1

MODEL

Report no. .... of ..... of first degree qualifying exam  
for the office of nuclear regulatory inspector

Mr./Ms. ....  
(full name)

born ..... PESEL ID number .....  
(date and place of birth)

has taken the qualifying exam for an office of nuclear regulatory inspector authorised to inspect organisational entities whose activity involves the risk of exposure, other than entities which operate nuclear facilities, entities which generate and process nuclear fuel, process radioactive waste, store or dispose of radioactive waste or spent nuclear fuel and transport nuclear fuel.

Written exam:

Problem ..... points .....  
..... points .....  
..... points .....  
Total: .....

Oral exam:

Question ..... points .....  
..... points .....  
..... points .....  
..... points .....  
..... points .....  
..... points .....  
Total: .....

The candidate has been awarded the following grades:  
for the written section of the exam<sup>1)</sup> .....  
for the oral part of the exam<sup>1)</sup> .....

In view of the above,  
in a decision no. .... of .....,  
the examination commission appointed by the President of the National Atomic Energy Agency with  
the following members:

Commission Chairman : .....  
Commission Members: .....  
.....

.....  
(full name)

hereby declares the exam to have been passed / failed<sup>2)</sup>

signatures: Commission Chairman .....  
Commission Members: .....  
.....  
.....

\_\_\_\_\_ <sup>1)</sup> satisfactory or unsatisfactory

<sup>2)</sup> delete as appropriate

Annex no. 2

MODEL

Report no. .... of ..... of second degree  
qualifying exam  
for the office of nuclear supervision inspector

Mr./Ms. ....  
(full name)

born ..... PESEL ID number .....  
(date and place of birth)

has taken the qualifying exam for an office of nuclear regulatory inspector authorised to inspect organisational entities which operate nuclear facilities, units which process radioactive waste, store or dispose of radioactive waste or spent nuclear fuel and transport nuclear fuel.

Written exam:

Problem ..... points .....  
..... points .....  
..... points .....  
Total: .....

Oral exam:

Question ..... points .....  
..... points .....  
..... points .....  
..... points .....

..... points .....  
..... points .....  
Total: .....

The candidate has been awarded the following grades:

for the written part of the exam<sup>1)</sup> .....

for the oral part of the exam<sup>1)</sup> .....

In view of the above,

in a decision no. .... of .....

the examination commission appointed by the President of the National Atomic Energy Agency with the following members:

Commission Chairman : .....

Commission Members: .....

.....

.....

(full name)

declares the exam to have been passed / failed<sup>2)</sup>

signatures: Commission Chairman .....

Commission Members: .....

.....

.....

---

<sup>1)</sup> satisfactory or unsatisfactory

<sup>2)</sup> delete as appropriate

MODEL

Chief Nuclear Regulatory Inspector  
National Atomic Energy Agency

CERTIFICATE no. ....

Pursuant to the provisions of §12 section 1 of the 6 August 2002 Regulation of the Council of Ministers on nuclear regulatory inspectors (Journal of Laws no. 137, item 1154), this is to certify that:

Mr./Ms. ....  
(full name)

born ..... PESEL ID number .....  
(date and place of birth)

is suitably qualified to hold an office of nuclear regulatory inspector, authorised to inspect organisational entities whose activity involves the risk of exposure, other than entities which operate nuclear facilities, entities which process radioactive waste, store or dispose of radioactive waste or spent nuclear fuel and transport nuclear fuel.

Round seal

Warsaw, date .....

Signature:

Annex no. 4

MODEL

Chief Nuclear Regulatory Inspector  
National Atomic Energy Agency

CERTIFICATE no. ....

Pursuant to the provisions of §12 section 1 of the 6 August 2002 Regulation of the Council of Ministers on nuclear regulatory inspectors (Journal of Laws no. 137, item 1154), this is to certify that:

Mr./Mrs. ....  
(full name)

born ..... PESEL ID number .....  
(date and place of birth)

is suitably qualified to hold an office of nuclear regulatory inspector, authorised to inspect organisational units which operate nuclear facilities, entities which process radioactive waste, store or dispose of radioactive waste or spent nuclear fuel, and transport nuclear fuel.

Round seal

Warsaw, date .....

Signature: