

Order No. 150 of the Minister of Environment and Natural Resources Protection of Georgia

8 December 2014 Tbilisi

On Approval of Regulation for Responding to Illicit Traffic of Nuclear and Radioactive Substances

Under Article 53 (subparagraph "g" of paragraph 3) of the Law of Georgia on "Nuclear and Radiation Safety" I order:

Article 1

To approve attached Regulation for Responding to Illicit Traffic of Nuclear and Radioactive Substances.

Article 2

This Order shall enter into force upon promulgation.

Minister of Environment and Natural Resources Protection of Georgia Elguja Khokrishvili

Regulation for Responding to Illicit Traffic of Nuclear and Radioactive Substances

Article 1. Scope of regulation

The present Regulation for Responding to Illicit Traffic of Nuclear and Radioactive Substances (Hereinafter - the Regulation) establishes procedure for responding to Illicit Traffic of Nuclear and Radioactive Substances at the territory of Georgia for the purposes of nuclear and radiation safety, by LPPL of the Ministry of the Internal Affairs - Emergency Management Agency, Special Operations Department of the State Security Service and LPPL of the Ministry of Environment and Natural Resources Protection - Nuclear and Radiation Safety Agency (hereinafter – the Agency).

Order №5 of January 27, 2016 of the Minister of Environment and Natural Resources Protection of Georgia - web site, 28.01.2016.

Article 2. Legislation for Responding to Illicit Traffic of Nuclear and Radioactive Substances

In the case of illicit traffic of nuclear and radioactive substances, responsible agencies shall be guided by the Constitution of Georgia, international treaties and agreements of Georgia, the Law of Georgia on Nuclear and Radiation Safety, and other normative acts.

Article 3. Goal and objective of the Regulation

1. The goal of this Regulation is to establish a legal basis for operational, coordinated and organized response of the agencies referred to in Article 5 of the same Regulation in case of detecting the violation of the requirements of the Georgian legislation.

2. The objective of this Regulation is to coordinate the competences of state agencies responsible for responding to the illegal traffic of nuclear and radioactive substances on the territory of Georgia for ensuring radiation safety.

Article 4. Definitions of Terms

Terms used in this regulation have the following meanings:

a) **Illicit traffic** - purchase, storage, possession, use, processing, transfer, shipment, export, import, trade of nuclear or / and radioactive substances and other similar activities with criminal intent;

b) **Nuclear and radiation safety** – the integrity of organizational and technical measures ensuring the protection of humans and the environment from harmful exposure to ionizing radiation;

c) **Radioactive contamination** – the presence of radioactive substances on surfaces or within solids, liquids or gases, where their presence is unintended or undesirable, as well as the processes contributing to their subsequent development;

d) **Radioactive substance**- any substance (radioactive source or material) which under ordinary conditions is a source of ionizing radiation;

e) **Decontamination** - a set of technical measures (physical, chemical, and biological processes), which are aimed at the partial or full cleaning of radioactively contaminated surfaces from nuclear materials and radioactive substances;

Article 5. Agencies Responsible for Responding to Illicit Traffic of Nuclear and Radioactive Substances

Responsible agencies within the scope of the competence of the nuclear and radioactive substances in Georgia (isolation, radiological evaluation, ensuring radiological safety, transportation, storage) for the purpose of responding to illicit traffic of nuclear and radioactive substances on the territory of Georgia are as follows:

A) Legal Person of Public Law - Emergency Situations Management Agency operating under the Ministry of Internal Affairs of Georgia;

B) The Agency;

C) Special Operations Department of the State Security Service of Georgia.

Article 6. Procedure for Further Responding to Detected Illicit Traffic of Nuclear and Radioactive Substances

1. After the detection of illicit traffic, Special Operations Department of the State Security Service of Georgia shall:

A) Define and isolate the safe zone to ensure radiation safety;

B) Inform the Agency about the fact of illicit traffic;

C) Supervise in radiological assessment for the purpose of protecting the investigative value of material evidence.

2. The Agency shall:

A) Ensure twenty-four hour uninterrupted reception of the notifications;

B) Provide on-site operational mobilization of relevant human and technical resources for the purpose of initial radiological assessment;

C) Assess radiation situation and, if necessary, decide on changing the boundaries of the safe zone;

D) Determine capacity of the gamma radiation dose from the border of the safe zone up to the material evidence and records the received value at a distance of 1 meter;

E) Perform measurements to determine capacity of the gamma radiation dose based on the results on the surface of material evidence in terms of the radiation protection principle (about 10 cm from the surface);

F) Implement gamma-spectrometry of the material evidence for determining the approximate radionuclide composition;

G) Determine potential existence of a stream of neutrons;

H) Perform measurement of alpha and / or beta radiation intensity of material evidence based on the results of the measurement, in case of necessity;

I) Implement monitoring for radiation contamination of the material evidence and incident site, and on this basis, shall determine the need for decontamination for on-site individuals, measuring devices and the incident site;

J) Define case-specific conditions for transportation of material evidence, based on radiological assessment;

K) Ensure the registration of nuclear and radioactive substances removed from illicit traffic for the purpose further control;

L) Inform the International Atomic Energy Agency on the fact of illicit traffic of nuclear and radioactive substances.

3. LPPL of the Ministry of Internal Affairs of Georgia - Emergency Situations Management Agency:

A) Provide safe transportation of material evidence removed from illicit traffic to temporary or final storage area;

B) If necessary, ensure decontamination of individuals, measuring devices and the incident site.

Article 7. Inspection Act for Material Evidence

1. After completion of the inspection, the authorized person of the Agency shall make the Inspection Act with detailed description of the measurements performed during response activities. The Inspection Act shall be signed by the authorized persons of the agencies involved in the response activities.

2. One copy of the Inspection Act shall be sent to the State Security Service of Georgia, the second – LPPL of the Ministry of Internal Affairs of Georgia - Emergency Situations Management Agency, and the third copy shall be kept at the Agency.