LIST OF TYPES OF JUSTIFIED ACTIVITIES WITH SOURCES OF IONISING RADIATION IN THE NUCLEAR ENERGY AREA

1. Activities with sources of ionising radiation in the nuclear energy area (hereinafter – the activities) carried out in a nuclear facility or on the site of nuclear facilities:

1.1. use of sealed radioactive sources and X-ray generators for non-destructive quality analysis of metal constructions with the help of gamma radiographs and X-ray generators, when there is no possibility to apply alternative techniques that can be applied without using sources of ionising radiation or using sources of ionising radiation that are safer from the point of view of radiation protection;

1.2. use of sealed radioactive sources and X-ray generators in level, density (thickness) and moisture gauges;

1.3. use of X-ray generators in industrial X-ray analysers;

1.4. use of X-ray generators in systems of detection of foreign bodies;

1.5. use of sealed radioactive sources and X-ray generators in geological borehole survey equipment;

1.6. use of reference (calibration) sealed radioactive sources;

1.7. use of sealed radioactive sources and X-ray generators in smoke detectors (except for newly used smoke detectors containing nuclear materials) when for technological reasons there is no possibility to apply alternative technological methods, where sources of ionising radiation would not be used;

1.8. use of X-ray secondary radiation devices (when there is no possibility to apply alternative technological methods);

1.9. use of sealed radioactive sources in safety inspection devices used for detection of explosives, drugs, other dangerous substances;

1.10. use of X-ray generators for safety inspection of goods, baggage, personal belongings;

1.11. use of radioactive sources of ionising radiation in educational activities;

1.12. use of unsealed radioactive sources (activities with them) when such use is an integral part of the technological process;

1.13. use of radioactive sources in physical and other research, except for medical research.

2. Other types of activities:

2.1. activities with the established quantities of the nuclear and fissile materials specified in Annex 1 of the Law on Nuclear Safety in scientific and other research;

2.2. installation, maintenance and repairs of ionising radiation sources used in the activities specified in Paragraph 1 of this List;

2.3. transportation of the established quantities of the nuclear fuel cycle materials and nuclear and fissile materials specified in Annex 1 of the Law on Nuclear Safety;

2.4. activities carried out in the ionising radiation environment in nuclear facilities, when such activities are an integral part of the technological process.