Radiation Protection in Slovakia

Vladimír Jurina
Public Health Authority of the Slovak Republic

E-mail: vladimir.jurina@uvzsr.sk
Tel. +421 2 444 551 78
www.uvzsr.sk
Organisation – „main players“:

- Ministry of Health of the SR (issues legislation)
- Public Health Authority (PHA) of the SR
- Regional PHA (Bratislava, Banska Bystrica, Nitra, Kosice)
- Ministry of Defense, Interior, Transportation, Post and Telecommunications and Slovak information service
Act Nr. 355/2007 Coll.

Role of the Ministry of Health:

- Sets basic conditions and priorities for radiation protection in SR
- Sets limits and conditions for radiation protection
- Co-ordination and administration of duties between stakeholders
- Jury of appeal
Act Nr. 355/2007 Coll. - Role of PHA of the SR

- **Issues authorisations** for activities leading to exposure of workers and population (Article 45)
- **Issues decisions** (e.g. for sitting of nuclear installation (NI), proposals for technological changes in installation, emergency plans etc.)
- Carries out state health **supervision** in nuclear facilities and on workplaces on which activities carried out for which it issued the authorisation,
- Keeping registers of personal doses, practices, sources
- **Issues passports of radiation doses.**
- Creates a **radiation monitoring network** and ensures and manages the activities of the radiation monitoring network
- Performs monitoring of environmental samples and serves as the focal point for EC in matters related to radiation protection and env. monitoring (Art. 35,36 EURATOM Treaty)
- Performs **examinations of supervisors** for radiation protection (issues certificates).
- Cooperates with the European Commission and the respective bodies and institutions of member states and represents the Slovak Republic in **international organisations**.
Act Nr. 355/2007 Coll. - Role of PHA of the SR

**Issues authorisation** for practices with ionising sources (IS):

- Nuclear installations (incl. phases of decommissioning),
- Release of radioactive substances and radioactively contaminated objects from under administrative control,
- Mining activities which include radionuclides used for its properties,
- Industrial facilities of category III,
- Collection and storage of fire alarm devices,
- Production, distribution and selling of IS in SR, import and export of IS from and to EU,
- Transportation of radioactive materials incl. spent nuclear fuel,
- Handling with radioactive waste, orphan sources and unused sources,
- Medical and industrial facilities in Trnava and Trencin regions.
Act Nr. 355/2007 Coll. - Role of Regional PHA

- Issues authorisations for practices with ionising sources in medical installations, industry (excl. nuclear), transportation
- Monitoring of radioactivity in the environment (excl. Trnava, Trencin and Nitra regions)
- Supervision at medical, research and industrial facilities excl. nuclear installations.
Inspections and Enforcement

State health supervision in nuclear installations and in accordance with Act 355/2007 is performed by employees of the Public Health Authority.

The measures for the elimination of the deficiencies:

- order for the **shut-down of an operation** or its part for the necessary period if, during the performance of the supervision, a breach of this Act and other generally binding legal regulations regulating the protection of public health is discovered such as may imminently result in the risk of serious damage to the health of the people;

- order to **perform special measurements**, analysis or examinations with the purpose of the evaluation of factors harmful to health and their possible influence on health.
Emergency Preparedness and Response - Responsibilities of Public Health Authority

- Management of the radiation monitoring network in Slovak republic (radioactivity measurements, evaluation of doses to public etc.)

- Proposing protective measures in case of radiological emergency (evacuation, sheltering, stable iodine, restriction of food etc.)
Waste management, decommissioning

- Legislation – Act Nr. 355/2007
- Setting the dose limits (reference levels, derived limits) for rad-waste disposal sites (storage facilities)
- Setting the criteria for release of contaminated materials from nuclear facilities + control
Environmental monitoring is performed in Slovakia for several decades.


The legal decision on this issue has been met by the Act 355/2007 where PHA of the Slovak Republic was named as the coordinator of environmental monitoring and responsible organisation towards EC on reporting the data from Slovak Republic.