



## **IONIZING RADIATION SOURCES MANAGEMENT IN THE COMMONWEALTH OF INDEPENDENT STATES (CIS)**

**Anatoly ISKRA, Marina BUFETOVA**

All-Russian Research Institute of Chemical Technology Moscow Russian Federation  
e mail radleg@online ru

Ionizing radiation sources cover a broad band of power from powerful NPP reactors and research reactors to portable radioisotope ionizing radiation sources applied in medicine agriculture, industry and in the energy supply systems of remote facilities

At present, scales and use field of radionuclide sources in the CIS have the tendency to increase In this connection the issues of ionizing radiation sources management safety at all stages of their life cycle from production to treatment have been of a great importance

The materials on ionizing radiation sources inventory and treatment in the CIS (Russia, Armenia Belarus Georgia Kazakhstan Kyrgyzstan Tajikistan and Ukraine) are presented in the report It is shown that in some republics there is difficulty in ionizing radiation sources accounting and control system the national regulatory and legal framework bases regulating activity on radioactive sources use localization and treatment require update Many problems are connected with the sources beyond state accounting

The problem of ionizing radiation sources use safety is complicated by the growing activity of various terrorist groups The opportunity to use ionizing radiation sources with terrorism goals requires the application of defined systems of security and physical protection at all stages of their management

For this purpose a collective with all CIS countries organization of radioactive sources accounting and control as well as countermeasures on their illegal transportation and use are necessary In this connection the information collection regarding situation with providing of ionizing radiation sources safety, conditions of equipment and storage facilities radioactive materials accounting and control system in the CIS countries is vitally needed

***Keywords ionizing radiation sources, radiation safety, accounting and control, CIS countries***