



RADIATION PROTECTION SYSTEM IN AZERBAIJAN REPUBLIC

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Azerbaijan is not nuclear State. He hasn't neither NPS, and nuclear-fuel manufacturing industry. The radioactivity condition there till some time have been formed mainly with natural factors and this have come to light some particularities. So, the sandy localities of coastal zone, of Apsheron peninsula, have smaller background radioactivity, than the clayey lots. In backwoods of green massifs are registered smaller radioactivity, than lots without plants cover and e.t.c.

In last, especially 25-30 years, situation in this field have get worse visible. This have own causes: unremitting pollution of small rivers, which flow into rivers Kur and Araz with toxic and nuclear wastes and with wastes, formed in consequence exploitation of Metsamor NPS (Armenian) for the space of all extend through territories of neighboring States (Georgia, Armenian, Iran) acquires sharp negative ecology character. There are facts about burring of hard wastes of Metsamor NPS on the occupied from Armenian Azerbaijan's territories.

Objects, which brought or can bring to change for the worse of radiation situation around territory of Azerbaijan republic:

- Armenian NPS
- Rostov NPS
- Atomic freshening plant, (Actau, Kazakhstan)
- Chernobyl NPS
- Nuclear objects on the territories of Iran and Iraq
- Nuclear tests in middle and eastern Asia.

Besides that, accumulated in Azerbaijan much quantity of radioactivity sources there are in institutions, enterprises and in military units. Out of loss their nominal characteristic, they are not applicable, but create the threat for health and life of population. In military units there are much radioactive sources, which have been leaved from Soviet Army subunits.

Enterprises and organizations on the oil-extraction are essential sources of radioactivity wastes in our republic. The outbreak on Earths surface of layer waters, including radium, thorium, radium, uranium, iod and other radionuclids, is increased sharp. Such layer waters are accumulated on land or merge into Caspian See. Is increased also the bring into country of instruments, equipments and other technical means, which work on radioactive sources basic. The numerated facts indicate that is necessary function of good radiation control land protection's system in Azerbaijan (sector radiation's investigations, Radioecology Center NMS of Ministry for Ecology and Natural Recourses the special Plant «Isotope» and his burring point of radioactive wastes, Civil Defense. Academic organizations and NMS,

execute monitoring, control and noticing function by radiation situation. The last two organizations structures, which have been occupied with keeping, transportation, disactivate and burring of radioactive sources and their wastes, which are receiving here from much institutions. The functional activity of special plant «Isotope» must be reorganized and reconstruct- red the exist PBRW. There is necessity of build of new PBRW, in according with modern technical requirements to the industrial cycle on complete utilization of all radioactive wastes kinds.

The monitoring function of radiation situation over all territory of Republic is put on NMS MENR of Azerbaijan. But, for the execution his problems, NMS are necessary new instrumental park (radiometric, dozometric, spectrometric and etc.) and the dense monitoring network over all territory of Azerbaijan Republic. Co-operation with IAEA will allow improve the quality of radiation protection system of Azerbaijan in shorter periods.

THE RESULTS AND METHODS USED FOR U-ROUND ROBIN TEST

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