



SOME OF THE RESULTS OF THE PROTECTION MEASURES IN THE FIELD OF IONIZING RADIATION AT FRY BORDER CROSSINGS

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SUMMARY:

The paper describes some of the results of the protection measures in the field of ionizing radiation at FRY border crossings where there were placed stationary monitors of gamma-radiation.

The Institute of Security as licensed institution for ionizing radiation detection, designed and placed stationary devices MZ – 100 at border crossings check points named Kelebija, Horgos, Vatin, Gradina, Presevo, Djeneral Jankovic, Batrovci and the ship lock "Djerdap-I".

CONCLUSION:

Over the several years ago IAEA and its member states as well as other international organizations have become increasingly aware of the consequences which might result from illegal activities involving these materials. Therefore initiatives to strengthen physical protection regime are strongly supported and steps towards improving security of nuclear and other radioactive material have already been taken.

Yugoslavia as IAEA member state wishes to contribute to the all together efforts in reducing the possibility of illegal activities such as theft, sabotage and trafficking, involving nuclear materials and other radioactive materials, and on the associated proliferation threat and radiation risks. Therefore relevant national bodies prepare project proposal titled "PREVENTION OF ILLICIT TRAFFICKING IN NUCLEAR AND RADIOACTIVE MATERIALS IN THE FEDERAL REPUBLIC OF YUGOSLAVIA". Significant work is ahead in this field, since harmonization of radiological control at our border crossings must be achieved.

Key words: ionizing radiation, detector, border crossings, protection

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