

The development of Nuclear Security Culture in the Republic of Belarus in 2020-2021

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Nuclear security culture is an essential means for nuclear security enhancement. It contributes to the ability of personnel to effectively mitigate potential threats to nuclear and radioactive material by promoting appropriate attitude and behavior that result in personnel adopting a more rigorous and prudent approach to their nuclear security responsibilities. Within organizations that have a strong nuclear security culture it is less likely that personnel will commit a malicious act, either due to their belief that nuclear security is important or to the deterrence factor of vigilance and professional adherence to nuclear security practices.

This paper is a continuation of the «Advanced Nuclear Security Program at The Joint Institute for Power and Nuclear Research –Sosny» [1] which reflects the process of nuclear security culture implementation and strengthening. The authors touched upon the development of nuclear security culture in the Republic of Belarus in 2020-2021. This time coincides with the period of the first unit of Belarusian Nuclear Power Plant in Ostovets commissioning on the one hand, and with the spread of COVID-19 on the other.

The role of nuclear security culture has increased as reflected in a number of regulations approved 2020:

- Requirements and rules for ensuring nuclear and radiation safety «General provisions for nuclear power plants safety insurance» [2]
- Requirements and rules for ensuring nuclear and radiation safety «Safety when handling ionizing radiation sources. General provisions.» [3]

Role, functions and requirements for nuclear security culture are set forth not only for Belarusian nuclear power plant [2], but also for organizations operating ionizing radiation sources [3].

Presently, we all are living in a time of COVID-19 spread. Sanitary standards establishment has made corrections to organization of activities necessary for development and strengthening of nuclear security culture in organizations.

The paper presents the approach and lists the activities organized by the Scientific Institution "JIPNR - Sosny" to improve nuclear security culture.

References

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Primary authors: Mrs KORBUT, Tamara (Scientific Institution "JIPNR-Sosny"); Mrs NAUTSYK, Volha (Scientific Institution "JIPNR-Sosny")

Presenter: Mrs KORBUT, Tamara (Scientific Institution "JIPNR-Sosny")

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