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Exercising Synergy of Safeguards Safety and Security at Facility Level of the GA Siwabessy Multi Purpose Reactor Indonesia

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Safeguards, safety and security (3Ss) constitute as essential elements for successful development of nuclear technology in the life time of nuclear installation. All 3Ss need to be coordinated due workers, the public and the environment require protection from plant malfunction, human error, malicious acts and proliferation of nuclear materials and technologies. Then the importance of the 3Ss was deemed valuable, particularly to a country having willingness to expand to nuclear power reactor such as Indonesia that in the near future plans to build small experimental power reactor. This paper is aimed to discuss synergy among safeguards, safety and security which will have opportunity been exercising at the GA Siwabessy Reactor (RSG-GAS), Indonesia. Synergy among safeguards, safety and security offers much opportunity for cost savings and enhance efficiency. Discussion is carried out by first investigating common values and conflicts exist among 3S. Up to now each of them was accomplished separately by different division and using different equipment due lack of coordination among them. The objective of this exercise is to develop more efficient and effective 3Ss infrastructures and also to support skill and knowledge of human resources. Benefitting from synergy between safeguards and security such as management of nuclear material and non proliferation; safeguards and safety such as management of nuclear material and waste management; safety and security such as prevent radiological release and also tension among them if any are discussed. It is expected that outcome of this exercise will able to develop a role model of infrastructures to the up-coming small experimental power reactor in Indonesia.

Country or International Organization

Indonesia

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