

# International Conference on the Management of Naturally Occurring Radioactive Materials (NORM) in Industry

## VIRTUAL EVENT

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## IMPLEMENTATION OF NORM REGULATION IN INDONESIA

This paper is intended to describe the implementation of two regulations in controlling NORM in Indonesia. Since 2009, Indonesia has had a regulation in the form of Bapeten Chairman Regulation (BCR) No 9 on Intervention of Exposure due to Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) and furthermore in 2013, BCR No. 16 on Radiation Safety in the Storage of TENORM. BCR No. 9 states that those who produce TENORM in their activities shall conduct a Radiation Safety Analysis (RSA) and when the result of analysis exceeds the intervention level as defined in the regulation, they shall conduct intervention by taking remedial action. In addition, within 60 (sixty) days, when the action could not reach to the level below the intervention level, TENORM producers/ generators are required to submit a license application for radioactive material storage by fulfilling requirements as stated in BCR No. 16. However, the implementation of the two regulations has not completely done yet. The number of industries as well activities that potentially produce TENORM that have submitted the result of Radiation Safety Analysis (RSA) to Bapeten is very limited. The total number of licensees related to TENORM storage is 20 only, whereas the total number of industries and activities that might produce TENORM in Indonesia is much more. On the other hand, Bapeten as nuclear regulator faces difficulties to inspect the premises that belong to those that might produce TENORM as they are not license holderse. In order to improve the implementation of these regulation, they are now being evaluated and under revision on process for better implementation. By attending this meeting, the candidate does hope to gain more information from other countries how they have successfully regulated NORM or TENORM, especially in applying the graded approach concept.

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