

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

VIRTUAL EVENT

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Negative Statement as a Regulatory Practice on Naturally Occurring Radioactive Material (NORM) in Indonesia

BAPETEN as Indonesia nuclear energy regulatory agency has set an intervention level for radiation exposure derived from Technologically Enhanced Naturally Occurring Radioactive Material (TENORM). The intervention level stated in:

- amount or quantity of TENORM; and
- contamination level and / or activity concentration

Intervention level will decide whether or not TENORM produced would require radioactive material storage license from BAPETEN. Non nuclear industry that produce TENORM with specification below intervention level will receive negative statement from BAPETEN as an assurance that its radiation exposure will not impact the safety of workers, public, and environment.

Negative statement on TENORM has become one of BAPETEN regulatory practice with the issuance of BAPETEN Chairman Regulation (BCR) No. 9 Year 2009 on Intervention on Exposure from TENORM and BAPETEN Chairman Regulation (BCR) No. 16 Year 2013 on Radiation Safety in Storage of TENORM. As for NORM, thus far BAPETEN doesn't have regulatory basis to perform any regulatory practices. Determination of radioactive mining region in mining zonation established by ministry of energy and mineral resources has force BAPETEN to perform its task to ensure the safety of workers, public, and environment. This is due to BAPETEN recommendation in the form of negative statement has become main requirement for the issuance of exploration approval in the so-called radioactive mining region.

Primary authors: NUGROHO, Tino Sawaldi Adi (Indonesia Nuclear Energy Regulatory Agency); Mr ROHMAN, Budi (BAPETEN)

Presenter: NUGROHO, Tino Sawaldi Adi (Indonesia Nuclear Energy Regulatory Agency)

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