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Global Regulations on Phosphogypsum Management –a Review

Some 300 million tons phosphogypsum are produced worldwide every year as a byproduct from mineral phosphate fertilizer production using the wet-acid process. Phosphogypsum deposits are usually associated with a relevant load of radionuclides and heavy metals making it a Technologically Enhanced Naturally Occurring Radioactive Material (TENORM). The radioactivity of phosphogypsum depends on the processed phosphate rocks and the applied processes used to develop them. Although phosphogypsum is fairly similar around the world it is not treated equal but subject to different national regulations. In this work we compare and review these different regulations.

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