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Authorization of Radioactive Waste Management Facility in Supporting the Management of Radioactive Sources Waste

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Abstract. Radioactive waste management faces challenges in Indonesia. Despite various uses of radioactive sources all over the country, Indonesia only has one radioactive waste management facility. Especially on the use of radioactive sources, there are wide use of these sources for medic and industry. Radioactive sources for medical purposes are usually used for radiotherapy in mostly major city hospitals. In industry, radioactive sources are used for non-destructive testing and gauging. Used radioactive sources from medic and industry are collected and sent to waste management center. Nevertheless, problem arise lately as the bankruptcies hit some industries owning some radioactive sources, such as paper industries. Therefore, those sources are orphan sources that threaten safety and security. It is estimated many souces left in industrial area needs to be collected and sent to waste management center. Bapeten as regulatory body is involved to solve this problem. For the waste management facility, it should prepare to accept those orphan sources to be managed properly. In the near future, the facility has a plan to improve the effectivity of souce management by developing cathegory 1 and 2 sources dismantling hotcell. As the license of facility has not covered this improvement, it will need adjustment. Government Regulation No. 29 Year 2008 on the Licensing of Ionizing Radiation Source and Nuclear Material regulates waste management facility to have license starting from siting stage, construction, commissioning, operation, until decommissioning. The revision of operational license will also follow regulation on this government regulation.

Country OR Intl. Organization

Indonesia

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