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Good afternoon/good morning, Ladies and Gentlemen, I would like to give presentation ***Regulation on Decommissioning of Nuclear Installation***

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I am from BAPETEN, which is the Indonesian Nuclear Energy Regulatory Agency. BAPETEN have the duty to control the utilization of nuclear energy through regulation making, licensing and inspection.

And I am from the directorate of Nuclear Installations Licensing.

In introduction I would like to give three point information:

Nuclear Instalation in Indonesia

Roadmap PLTN in Indonesia

Regulation in term of decommissioning

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OPERATING STATUS OF THE REACTORS

All the three reactors are operated by BATAN.

We look the old of RR is Bandung Triga 2000 reactor has reached first criticality in year 1964, which means that the reactor has been operated about 42 years. Since its first criticality, the reactor has been modified several times. In the first time, the reactor was operated at a power of 250kW. The reactor was then upgraded to 1000 kW power level in 1971, and to 2000 kW in 2000^[1]. the reactor triga 200 is predicted to be operable until 2015, after which the reactor shall be decommissioned.

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In this slide, you can see National NPP Planning in 2025. Here you can see when nuclear power plant starts its operation in 2017, and continue to 2025 with total capacity of 4 GWe. We think that nuclear power can answer, or the solution to, our energy crisis.

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Let us see the national legislation hierarchy, where at the top of the chart is the Act. We have nuclear energy act no 10, year 1997.

Under that act, we have government regulations, where we are currently developing government regulation on the licensing of NPP.

Under that government regulations, we have presidential decree, and under that presidential decree, we have BAPETEN's chairman decree.

BAPETEN's chairman decrees normally regulate items or activities, which are defined in government regulations. For example, on the licensing stage for site, construction, commisioning, operation, and decommissioning, it is regulated by BAPETEN's chairman decrees. There are usually safety requirements concerning these matters.

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Regulation for decommissioning now we preparing to make government regulation on licensing of nuclear reactor, and we regulate decommissioning at chapter VII, And we have Gov reg number 27/2002 on radioactivity waste management at chapter IX we regulate about decommissioning. Now we prepare Bapeten decree for requirement of decommissioning licensing

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At draft govt regulation on licensing of nuclear reactor, we regulate two kind licensing for NPP, 5 stage license and three stage license or combined license. The only way to take Combined license, the NPP must prevent technology

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Now we look the simple flow diagram for decommissioning license

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If the operation license end off, and not be extended or not feasible to operate by bapeten. The Operator must propose decommissioning license to BAPETEN

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And Finally,

Thank you very much for your attention.