"Summary A Draft Suggestion on the Dose Constraints for Korean NPPs based on ICRP-103 Recommendations"

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As to dose constraints for design stage, the following discussions are presented.

- The example of collective dose for Korean NPPs design
- Target of collective dose : 1.0 person·Sv/unit·yr
- Expected dose at NPP design  $\div 0.76 \ \mathrm{person} \cdot \mathrm{Sv/unit} \cdot \mathrm{yr}$
- KINS KNGR's Safety Requirement (Dose constraints)
- Maximum individual dose : 5.0 mSv/yr, Average dose : 2.0 mSv/yr
- $\boldsymbol{\cdot}$  The example of dose constraints for Korean NPPs design
- Maximum individual dose : 10 mSv/yr, Average dose : 2.0 mSv/yr
- Expected occupational dose
- Maximum individual dose : 7.0 mSv/yr, Average dose : 0.84 mSv/yr
- No meet for dose constraints. But the minimum workers involved and increase worker capability at operation/maintenance period

As to dose constraints for operation/maintenance (o/m) stage, the following discussions are presented.

- The dose limits : 100 mSv/5years (averaging 20 mSv/yr)
- Dose Constraint for O/M : > 80% of limit (16 mSv/yr)

As to dose constraints for the public, the following discussions are presented.

- $\cdot$  Draft dose constraint for the member of public
- Dose constraint for single reactor unit : 0.1 0.2 mSv/yr
- Dose constraint for a site : 0.6 mSv/yr
- Delete the dose constraint for a site, if necessary