

Voluntary Action for Managing the Equivalent Dose of the Lens of the Eye According to ICRP Recommendation

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The International Commission on Radiological Protection (ICRP) announced the Seoul statement in April 2011, and it showed that the absorbed dose threshold for tissue reaction effects was lowered to 0.5Sv.

According to the threshold, ICRP recommended that the equivalent dose limit for the lens of the eye should be reduced from 150mSv/year to 20 mSv/year, averaged over defined periods of 5 years, with no single year exceeding 50 mSv.

Even in Japan, the Radiation Council recommended the introduction of new dose limits to the country, and the legislating action by ministries and agencies began. The equivalent doses for the lens of the eye of some workers at Fukushima Daiichi Nuclear Power Station are higher than the new dose limits.

Therefore, based on these trends, we are going to introduce the voluntary action by TEPCO for managing equivalent doses of the lens of the eye for the workers safety in this presentation.