

“Approaches to reduce radiation exposure at Tohoku Electric Power Co., Inc.”
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A presentation of the measures that Tohoku Electric has taken towards the reduction of radiation exposure.

The radiation sources can be categorized into two types: exchangeable radiation sources and deposited radiation sources, which are ionic and crud, respectively. Since its system testing and start-up testing, Tohoku Electric has taken various crud reduction measures, which are known as “clean plant activities,” to reduce deposited radiation sources. On the other hand, the reduction of exchangeable radiation sources has been addressed through water chemistry control. Tohoku Electric has implemented management methods to reduce exchangeable radiation sources: the Ni/Fe ratios control for Onagawa Unit 1; and ultra low Fe and high Ni for Onagawa Units 2 and 3 and Higashidori Unit 1. The Higashidori Unit 1 also has been carrying out a treatment for pre-filming the feed water heater tube to reduce Co radiation sources.

We will continuously pursue “clean plant activities” and radiation exposure reduction measures, which are important in gaining the understanding of local communities.

