

## **ALARA Activities and Radiation Control Practices at Tomari Nuclear Power Station**

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This report introduces the ALARA activities and radiation control practices which have been implemented at Tomari NPS.

Since the first outage maintenance, collective radiation dose at Tomari NPS has been mitigated at the level of 0.5 person-Sv/ Outage.

This is regarded as a result of the dose reduction measures proactively taken into account from industry experience since the design phase by utilizing an advantage of being a late comer in Japanese nuclear industry.

Specifically, following dose reduction measures are implemented at Tomari NPS.

- ① Zinc injection during plant operation
- ② Utilization of the PDCA cycle in the execution of work
- ③ Holding ALARA meetings and other meetings at the station
- ④ Installation of temporary radiation shielding in Radiological Controlled Areas (RCA)

When executing work in RCA, work responsible sections and the Radiation Protection Section utilize the Plan-Do-Check-Act (PDCA) cycle to share information and improve work practices.

Meetings are held at the station, such as Station ALARA Meetings, Radiation Safety Management Meetings, Safety and Health Council Meetings.

Through those meetings, information is shared, and the effectiveness of dose reduction measures are reviewed by sharing information regarding radiation dose status of workers and also by discussing about the dose reduction measures cooperating with the station personnel and contractors.

This report also introduces the radiation control practices such as information sharing of dose records and dose equivalent rates for each building, and the use of suggestion boxes related to radiation control.