

ALARA Activities in Tomari Power Station

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I will introduce ALARA activities Tomari Power Station has promoted so far.

Radiation dose records at Tomari Power Station have been hovering at around 0.5 man-Sv since the initial periodic inspection.

That is probably because Tomari Power Station is a latecomer among the nuclear power plants in Japan and has actively adopted, through all stages from the designing stage, radiation dose reduction measures which have been proved at other plants.

The radiation dose reduction measures Tomari Power Station has adopted include;

- (1) Injecting Zn while plants are in operation
- (2) Applying PDCA cycle when carrying out work
- (3) Meetings within the power station
- (4) Temporary shielding of common areas

When carrying out operations within a controlled area, the department in charge of the operation and Radiation Protection and Safety Department apply PDCA (plan-do-check-act) cycle to share information and to improve operation method.

As meetings within the power station, we hold Site ALARA Conference, Radiation Protection and Safety Conference, Safety and Sanitation Council and ALARA Meeting. There, we review, discuss and disseminate information about the record of exposure to radiation workers and radiation dose reduction measures with all departments within the plant and contractors. By doing so, we share information and check the effectiveness of the radiation dose reduction measures.