

“The Improvement of ALARA for the Steam Generator Maintenance”
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The assessment result of ALARA for the steam generator maintenance was reported.

We conducted maintenance of the steam generator for Ulchin No. 5 in 2006. Because the work entails extremely high level of exposure doses with significant dispersion of contamination, we made efforts to reduce those problems.

We achieved shortening the work hours and reduction of doses by taking such measures as the improvement of the method to cool the steam generator and protection of hot spots with lead blankets.

We succeeded in shortening the work period from 18 days to 14 days and in reducing the collective dose from 72.07 man·mSv to 49.71 man·mSv compared with the 2005 levels. In addition, we improved the nonproliferation of contamination by thoroughly observing the action guideline based on ALARA (ensuring the use of safety shoes only within the work area, periodical contamination check and replacement, establishment of protective walls within the work area, etc.).

