

Radiation Safety Management for HANUL NPP Unit 4

Steam Generator Replacement

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Experience of radiation safety management and measures of decreasing radiation exposure adopted in the workplace for workers during steam generator replacement at Hanul unit 4.

How to lower radiation exposure for workers

- Wearing proper radiation protection gear
- Radiation shielding(temporary lead shielding material for RCS pipes, installation of lead shielding structure for old steam generator)
- Conducting pre-mock up training for primary radiation work
- Decontamination of RCS end pipe internal
- Drain time of primary and secondary water in the steam generators (At the end of the replacement work for radiation shield)
- Continuous air contamination monitoring (using movable continuous air contamination monitor)
- Installation of movable air cleaning units