

Status of Radiation protection efforts in Fukushima Daiichi NPS

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The Fukushima Daiichi Nuclear Power Plant (hereinafter referred to as "1F") was subjected to the diffusion of radioactive materials both inside and outside the reactor buildings due to the 1F accident caused by the Great East Japan Earthquake that occurred on March 11, 2011, resulting in the entire premises being placed under a radiation management environment.

At the time of the accident, wearing of protective clothing and full-face masks was necessary throughout the entire site; but today, on 96 percent of the site area, work is possible wearing regular uniforms and dusk masks

However, we are still in the midst of an unprecedented challenge of decommissioning in a harsh environment, and in order to safely and steadily progress with the decommissioning work while ensuring the radiation safety of workers, it is necessary to accurately grasp the constantly changing site conditions, carry out radiation protection processes in accordance with the ALARA principle, and pursue a better approach to radiation protection by utilizing the knowledge and experience we have accumulated so far.

At 1F, various measures have been implemented to ensure the safe and steady progress of the decommissioning work, including the establishment of rules related to radiation management, the establishment of a system for exposure management, the enhancement of regular radiation measurement and monitoring systems, and the introduction of appropriate equipment and facilities for radiation protection, introducing radiation protection efforts.