

Development of the Graduate Course in “Scientific and Regulatory Basis for Environmental Protection in Nuclear Fuel Cycle”

Executive Summary

For significant progress in application of nuclear-power utilization in future, we need to establish, in parallel, technical capability to regulate the advanced reactors and fuel-cycle facilities for safety, security, and environmental protection for the public. As avoidance of environmental contamination is of paramount importance for the public acceptance and safety, it is essential to expose the new generation of nuclear engineers to the environmental safety fundamentals including regulations, and equip them with basic computational capability.

The project was initiated in September 2007 under a grant from the NRC. The main goals for the third year will be to complete the class materials, to video-tape the lectures, and to start distance education features.

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