

博士後期課程Ⅱ期

平成 31 年度 武蔵野大学大学院

環境学研究科 環境システム専攻 博士後期課程 入学試験問題 (1 月 13 日)

[英語]

問題 1 次の英文を和訳しなさい。

Reconstruction and restoration of the environment after the Great East Japan Earthquake

On March 11, 2011, East Japan was struck by the largest earthquake ever recorded in or around Japan. With magnitude 9.0, it triggered enormous tsunamis that caused immense, widespread damage, primarily along the Pacific coast of the Tohoku region. The tsunami caused accidents at Tokyo Electric Power (TEPCO) Fukushima Daiichi Nuclear Power Plant, which resulted in the release of large amounts of radioactive materials into the environment. Here we introduce our efforts for restoration of the environment, taking action on pollution by the radioactive materials associated with the accidents at the Fukushima Daiichi Nuclear Power Plant.

Recovery of the environment from radioactive pollution:

As of October 2016, radiation levels within an 80-kilometer radius of the Fukushima Daiichi Nuclear Power Plant had declined by 71% from November 2011 levels (where comparable data is available). Predictions of the decline of radiation made in August 2011, taking into account estimates of the physical decay of radioactive material and the influence of rainfall, suggested that radiation would decline by about 40% in two years, and by about 50% in 5 years. The actual decline has been preceding at a greater pace than predicted, probably due to the effect of decontamination work, and to greater than expected effects from natural factors such as rainfall.

問題 2 あなたの計画する博士論文の概要について、英語で 300 文字程度で説明せよ。