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放射線安全管理年報（2014年4月1日～2015年3月31日）

Report on Administrative Work for Radiation Safety from April 2014 to March 2015

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**Preface:**

The National Institute for Fusion Science (NIFS) is proceeding with basic research on magnetic nuclear fusion which is expected to be a perpetual energy source for the future. Because the object of our research is hot plasma of the hydrogen or the helium, high energy electrons which are elements of the plasma generate X-rays. Therefore we administrate the devices and their surroundings in conformity with the Industrial Safety and Health Law and the Act Concerning Prevention from Radiation Hazards due to Radioisotopes, etc. to maintain workplace safety. We measure the radiation dose levels regularly, register the employees who are engaged in plasma experiments, and educate them. We also control the handling of non-regulated small sealed sources that are used in the detectors in some cases.

This report is on administrative work for radiation safety in the last fiscal year 2014. It includes

- (1) a report on the establishment of a radiation safety management system,
- (2) results of radiation dose measurement and monitoring in the radiation controlled area and on the site by using Radiation Monitoring System Applicable to Fusion Experiment (RMSAFE),
- (3) a report on the establishment of an education and registration system for radiation workers.

The report has been published annually. We hope that these reports would be helpful for

future safety management at NIFS.