

6. Health and Safety Promotion Center

The Health and Safety Promotion Center aims to prevent work-related accidents, to ensure safe and sound operation of machinery and equipment, and to maintain a safe and healthful environment for researchers, technical staff, co-researchers, and students. It also ensures that research activities conducted by NIFS do not affect the surrounding environment. This center consists of ten offices, and various subjects related to health and safety are discussed by office chiefs once a month.

1. Health Management Office

The main role of this office is to keep the workers in the institute healthy, including co-researchers and students. Its responsibilities are:

- A) Medical checkups both for general and special purposes and immunization for influenza.
- B) Mental health care services and health consultation.
- C) Accompanying the inspections of the health administrator and the occupational physician.
- D) Maintenance of AEDs.
- E) Alerts and response to infectious disease.

Various lectures were held on physical and mental health. An online stress-check was held in October 2024.

2. Fire/Disaster Prevention and Security Management Office

The main role of this office is to prevent or minimize damage caused by various disasters.

- A) Making self-defense plans for fires and disasters, and implementation of various training.
- B) Promotion of first-aid workshops and an AED class.
- C) Maintenance of fire-defense facilities and attending on-site inspections by the local fire department.
- D) Reviewing and updating disaster prevention rules and disaster prevention manuals.
- E) Maintenance of the card-key system for the entrances of buildings and controlled areas.

All workers must attend disaster prevention training held every year, and a disaster simulation exercise was also held on July 8th, 2024. Figure 1 shows the disaster prevention training in 2025.

3. Radiation Control Office

The main role of this office is to maintain radiation safety for researchers and the environment. Legal procedures for radiation safety and regular education for radiation area workers are also important roles of this office.

- A) Maintaining radiation safety for the workers.
- B) Registration and dose control of radiation area workers.
- C) Observation of radiation in radiation-controlled and peripheral areas.
- D) Maintenance of the radiation monitor.
- E) Applications for radiation equipment to national agencies and the local governments.
- F) Revising official regulations and establishing new rules.

An educational lecture for radiation area workers was held on March 5, 2025. We provided an opportunity for DVD viewing for absentees. Non-Japanese workers were educated and trained in English.

4. Electrical Equipment and Work Control Office

The main role of this office is to maintain electrical safety for researchers, technical staff members and students.



Fig. 1 Disaster prevention training

- A) Checking and controlling electrical facilities according to technical standards.
- B) Safety lecture for researchers and workers.
- C) Annual check of electric equipment during blackouts.

The annual inspection for electrical power receiving facilities was carried out on October 19–20, 2024.

5. Crane Management Office

The main role of this office is to maintain the safe operation of cranes. The tasks of this office are as follows.

- A) Inspection and maintenance of cranes.
- B) Management of crane license holders and safety lectures for crane users.
- C) Schedule management of crane operations.
- D) Safety related to working at height.

6. High Pressure Gas Control Office

The main role of this office is for safety operation and maintenance of high pressure facilities with cooling systems such as LHD.

- A) Safety operation and maintenance of high-pressure gas handling facilities in NIFS.
- B) Daily operation, maintenance, system improvement, and safety education according to the law.
- C) Safety lectures for researchers and workers.

7. Hazardous Materials Control Office

The main role of this office is safe management of hazardous materials and maintaining safety for researchers against hazardous events.

- A) Research requests for hazardous materials and their storage status.
- B) Management to ensure safe storage of waste.
- C) Implementation of chemical substance risk assessment.

8. New Experimental Safety Assessment Office

The main role of this office is to check the safety of experimental devices except for LHD. For this purpose, researchers who want to set up new experimental apparatus must apply for a safety review. Two reviewers are assigned from members of this office and other specialists to check the safety of these devices.

- A) Examine new experiments for safety problems and advise on safety measures.
- B) Improve safety in each experiment and reinforce the safety culture at NIFS with annual reviews by NIFS employees.

9. Safety Management Office

The main task of this office is publication of the Safety Handbook in Japanese and English, and its update every year. The organization of regular safety lectures is also a task of this office. Lectures were held on May 24, 2024. All workers including co-researchers and students must attend this safety lecture every year.

10. Environmental Conservation Office

On March 28, 2013, NIFS together with the Gifu prefectural government and three local cities (Toki, Tajimi, and Mizunami), concluded an “Agreement on Environmental Conservation around the National Institute for Fusion Science” and a “Memorandum of Understanding on Environmental Conservation around Fusion Science”. The main tasks of this office are to maintain and to check environmental conservation around NIFS, according to this agreement.

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