

6. Health and Safety Promotion Center

In accordance with the reorganization of NIFS, the Health and Safety Promotion Division, which is devoted to preventing work-related accidents, to ensuring safe and sound operation of machinery and equipment, and to maintaining a safe and healthful environment for researchers, technical staff, coresearchers, and students, was changed to the Health and Safety Promotion Center. This center also ensures that research activities conducted by NIFS do not affect the surrounding environment. It consists of ten offices, and various subjects related to the 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.

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

Various lectures were held for ensuring physical and mental health. An online stress-check was held in October 2023.

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) Review and update disaster prevention rules and manuals.
- E) Maintenance of a card-key system for gateways to buildings and controlled areas.

All workers must attend disaster prevention training held every year, and a disaster simulation exercise is also held. Figure 1 shows the disaster prevention training.

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 the radiation area workers are also important roles of this office.

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

An educational lecture for the radiation area workers was held on February 29, 2024. We provided an opportunity for DVD viewing to 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



Fig. 1 Disaster prevention training

students.

- A) Check and control electrical facilities according to the technical standards.
- B) Safety lectures for researchers and workers.
- C) Annual check of electrical equipment during a blackout.

An annual inspection of the academic zone was carried out on May 14, 2023, and that of the experimental zone was carried out on May 13 and 14, 2023.

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 the crane license holders and safety lectures for the 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 the safety operation and maintenance of high pressure facilities with cooling system 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 the management of the safe treatment of hazardous materials and maintaining safety for researchers against hazardous events.

- A) Research requests about hazardous materials and 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 and 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 by 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 the task of this office. The lectures were held on May 26, 2023. 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 the NIFS according to this agreement.

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