



Lecture in Dialogue 2018 (Dialogue between residents and experts) organized by the International Commission on Radiological Protection (ICRP)\*1

## Strengthen Cross-sectional Comprehensive Organization Related to Safety Management

The former Safety Management Office was expansively reorganized to the  
“Safety Administration Department”

In order to further strengthen the research and development towards the decommissioning of the Fukushima Daiichi Nuclear Power Station (1F) of the Tokyo Electric Power Company Holdings, Inc., and the restoration of Fukushima, the Japan Atomic Energy Agency (JAEA) reformed the organization on April 1, 2020. As shown in the right figure, the Collaborative Laboratories for Advanced Decommissioning Science was newly organized by integrating the former Collaborative Laboratories for Advanced Decommissioning Science and the Fukushima Environmental Safety Center.



Furthermore, since the facility use in Naraha Center for Remote Control Technology Development is expected to expand, and the Laboratory No.1 of the Facility for Analysis and Research of Radioactive Materials, Okuma Analysis and Research Center will be in operation soon, the “Safety Administration Department” was newly organized aiming to expand and strengthen the works related to safety administration.

In this “Topics Fukushima”, the main tasks of the newly launched “Safety Administration Department” are introduced.

### ◆ Three main tasks of Safety Administration Department



On-site patrol at the Naraha Center for Remote Control Technology Development.

In the Safety Administration Department, three main tasks related to safety (work safety, radiation safety, and risk management) are conducted to secure safety and protect workers on-site. In the followings, we will introduce these three tasks.

In “**work safety**”, on-site patrols (safety patrols), investigation on trouble examples inside and outside of JAEA, lectures on safety, education to experience safety, etc. are conducted. Through these activities, we aim to further raise

our awareness of problem and to secure the work safety on-site.

In “**radiation safety**”, in order to prevent radiation exposure and contamination of radioactive materials in the Centers of the Sector of Fukushima Research and Development, the research and development in each center are supported through formulating and conducting the radiation protection plan.

In “**risk management**”, when a trouble occurs, the Safety Management Department plays a central role in responding to the trouble while closely collaborating with the site. For the prompt response to a trouble, the emergency contact network is always renewed up to date. Furthermore, the equipment and materials are managed so that they can be used at any time, and trainings on trouble shooting are conducted using them.



“Lecture on safety” in the Sector of Fukushima Research and Development using a video conference system.

### ◆Emergency environmental radiation monitoring at the time of accident in Fukushima Prefecture

If a nuclear accident happens in Fukushima Prefecture, the National Nuclear Emergency Response Headquarters requests JAEA to conduct emergency environmental radiation monitoring. In collaboration with the other sections\*2 in JAEA, the Safety Administration Department will conduct the radiation monitoring as a radiation group of the National Nuclear Emergency Response Headquarters.



Large-scale fire response training in the evacuation area.

### ◆New efforts of Safety Administration Department

The Safety Administration Department, Sector of Fukushima Research and Development, aims to lead the field of radiation protection not only in Japan but also in the world, through the activities on radiation protection. As one of the activities, we will disseminate information on the radiation protection measures that had been conducted after the 1F accident to the world, while playing a responsible role in the relation to the ICRP.

In addition to these tasks, the development of human resources for young engineers who will lead future safety management is also essential. For this purpose, it is important for young staff not only to read scientific papers in the world but also to participate in international meetings and conferences, and experience in studying abroad in international organizations. By giving these opportunities to young staff, we expect them to become specialists who are responsible for global safety management.

### ◆Towards the establishment of stable safety management

Since JAEA is a governmental organization conducting research and development related to nuclear energy, it is quite important task to disseminate the excellent research results into the world. In order to steadily promote the research and development, “safety management” is the essential element. If an accident or trouble happens in JAEA, it will affect society and hinder the research and development. Conversely, if the safety management is too strict, smooth promotion of works may be disturbed. For this reason, we will continue to plan effective safety measures that are balanced and not mere formal, by carefully considering the opinions of employees.

## 【Terminology】

\*1 International Commission on Radiological Protection (ICRP)

International academic organization to advise on radiation protection from an expert standpoint.

\*2 If a nuclear emergency occurs in Fukushima Prefecture, the Safety Management Department will conduct emergency environmental radiation monitoring with the support by the Miharu base (Miharu Town) and Minamisoma base (Minamisoma City) of Collaborative Laboratories for Advanced Decommissioning Science.

At the time of a large-scale disaster, as a designated public organization based on the Disaster Countermeasures Basic Act and the Armed Attack Situations Response Act., JAEA will be supported by the Nuclear Emergency Assistance and Training Center (NEAT) established in Hitachinaka City, Ibaraki Prefecture, and Tsuruga City, Fukui Prefecture.

In this case, the NEAT accepts experts, special vehicles and emergency equipment from each base of JAEA. By doing so, emergency environmental radiation monitoring will be conducted by the entire JAEA.

### **TOPICS Fukushima No. 99**

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