

August 8 , 2013

Dear journalists

Research Association International Decommissioning Agency

About the launch of the Research Association International Decommissioning Agency

With regard to the title organization that we have promoted the establishment preparation for some time , leave the 23rd July ,

To conduct the establishment approval application the Minister of Economy, Trade and Industry and received written approval from the minister on August 1 .

Place to conduct the establishment registered in the same day , then , we have been preparing for union inauguration ,

Today , held a board meeting and extraordinary general meeting , as Research Association International Decommissioning Agency

We've become a carry to be established , I will inform you .

In addition , relevant information , including an overview of the organization are as attached .
(Attachment)

- The Greetings summary attached

- ① When the establishment

- About Us attached ②

Personnel and officials attached ③

- Attach ④ for Research and Development Program

- Glossary attached ⑤

< Reference >

Image attached

- ⑥ of the role of international decommissioning research and development mechanism

Situation , introduce attached

- ⑦ of research and development

[Contact Information]

International Decommissioning Agency

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The gist of Greetings When establishment

- In the afternoon today , at a meeting room of the Institute , held a board meeting and extraordinary general meeting It was carrying the " international decommissioning research and development mechanism " is officially launched . Until today , Located in relationship Dear including Minister of Economy, Trade and Industry , bestowed your efforts , and sincere respect As soon as you are respectful .

Today , on our side of the news media , direct overview of the organization and report on the establishment

As well as allow me to your description, I am allowed to open the conference and want Moshinobe my determination .

○ 1 August destination , I received from Motegi Economy, Trade and Industry Minister of the " charter " . When the minister

From the research and development of Guizhou mechanism plays "Now , the decommissioning of Fukushima Daiichi Nuclear Power Station

It is the development of technology essential , beginning Fukushima prefecture , back to the great expectations of the people

And " is a bear . Further, the " future, techniques obtained from R & D ,

Is not limited to decommissioning of Fukushima Daiichi , it can be widely used as well , such as decommissioning of nuclear power plants in the future

And I have the words of the " of , and central role for the bringing together of wisdom " The international at the end

It was tied to the " expect to play a .

○ from me , to be able to with confidence towards the " Fukushima , in addition to the home and abroad , than nuclear power

I work hard so that the technology in the field of outside collected actively widely , technology integration can be "

As a result of the answer .

Given the decommissioning work in the field that follows still , our organization is towards the decommissioning somehow

So that the acceleration of it only has been achieved , it is to get the technology necessary to effectively and efficiently ,

Where you feel strong again and would like to make an effort . ○ " decommissioning measures Promotion Council " was established from early spring of this year , in addition to government and TEPCO , cough

Results of various studies have been made with the participation of the heads of institutions engaged , the June 27 , " medium-and long-

In the period roadmap " , removal of fuel debris 'll be ahead of schedule one and a half years 's Revision has been made .

On the other hand , consider to launch an organization to research and development to concentrate the decommissioning technology continued

It came , but , finally , July 23 , to conduct applications for authorization , or the Minister of letter of authorization on August 1

Received from , today , extraordinary general meeting was held .

I taught at the university , was one of the researchers , the accumulation of decommissioning technology of Japan surely

If you want to become in a position to spearhead the agency responsible for , feel something fateful anything

Not help .

○ If you 're a typical enterprise , and full of hope , for the development of the company , social

appearance

It's where you and I'll do my best while pointing , but our opinion, the major accidents occur in " Fukushima that

Safely and securely how to study for terminating towards full decommissioning a nuclear " you And a mission responsible for the development , not only in Japan , it brings together the technology in the world , no matter what it takes

As an organization that played a mission that must be gone , star officially today

It is an organization to cut the door .

- We believe that you can not move forward far from a weak feeling that it is "work" .

At the extraordinary general meeting , which is held earlier , decommissioning techniques each partner with each other , what you need anything

I do get the surgery , ensure the goal to advance effective and efficient research needed

The place where you 've got to the union members to each other , each other director , was confirmed again .

In addition , as a result of work together that is , more than just nuclear power in Japan in the future

You do will lead to responsibility and contribution to the world without , is for Japan as a whole , and pull

As a result of arrangement it 's .

- In carrying organize this time , as I get the word from the Minister , the domestic and foreign I smitten aims to bring together the wisdom of . More specifically , " international adviser " , " international decommissioning extract

And part group " , with the advice of foreign experts experienced , and experience

I like to think how the performance also get the cooperation of companies in rich countries.

In addition to the power of 17 corporate members , basic , domestic and foreign enterprises of other course -

By combining the power research institutes , experts , or to complete the research and development for decommissioning work promoting

Are . That make an arrangement to obtain the information for that also , big Mille our

I believe it's application .

- future , as our , In carrying forward the research and development , it is opened as much as possible

Aiming for the union was , specification of information disclosure so that the progress of the research can be seen to the general public

To devise a better , people in Fukushima , so as to lead to peace of mind of our way of people , and working

Mairi want .

Research Association International Decommissioning Agency

Physical thing long mountain former

Outline the organization

1. Name

Research Association international decommissioning Research and Development Organization

(abbreviation: IRID <eyelid>)

(International Research Institute for Nuclear Decommissioning)

2. Union headquarters address

〒 105-0004 Tokyo Shimbashi, Minato-ku, 5-27-1 Park Place 6F

:03-8601 -6435 main phone

3. Business

- Research and development on decommissioning

And promotion of international cooperation, with domestic institutions concerned about the decommissioning

- The human resource development related to research and development

4. Union members (17 corporation)

- National Institute of

(Germany) Japan Atomic Energy Agency, National Institute of Advanced Industrial Science and Technology

Manufacturer

Toshiba, Hitachi-GE Nuclear Energy Ltd., Mitsubishi Heavy Industries, Ltd.

And electric power companies, etc.

Hokkaido Electric Power Co., Tohoku Electric Power Co., Tokyo Electric Power Co., Chubu Electric Power Co., Ltd.,

Hokuriku Electric Power Co., Kansai Electric Power Co., Chugoku Electric Power Co., Shikoku Electric Power Co., Ltd.,

Kyushu Electric Power Co., Ltd., Japan Atomic Power Co., Electric Power Development Co., Ltd., Japan Nuclear Fuel Ltd.

5. Organizational Structure

Meeting - Board of Directors - "General Affairs Department," "Research Planning Department," "Research parts" and "international cooperation and coordination unit"

(The installation ※ other, international adviser, international decommissioning expert group, the technical committee)

6. Staff and personnel scale

The union officials are expected to name 20 about working in the office in Heinin or seconded.

It should be noted that, in terms of carrying out union business, and each professional in research and development promotion system in progress

Expected to result in the project members are involved, would be about 600 people in the entire scale.

7. Other

About 4 billion yen research funds (2013 fiscal year).

It should be noted that the present costs are financed by external funding and research dues every year, from the union members

Officer Personnel

Yamana yuan (Yamana Li) President

Tamio Arai (Arai Tamio) Vice President

The (Hirofumi that Ken) 剣田 Hiroshi
Managing Director Kazuhiro Suzuki (Suzuki Kazuhiro)
Director Kiyoshi Oikawa (Kiyoshi Oikawa)
Yoichi Ito (Ito Yoichi)
Uozumi Hiroto (Hiroto Uozumi)
Kiyoshi Okamura (Okamura Kiyoshi)
Masahiro Seto (Seto Masahiro)
Toshihiko Fukuda (Fukuda Toshihiko)
(Let Shigero Masa also Ri) Positive forest Jiro
Auditors doing morning phosphorus (Tomomichi doing)

(Biographies skipped)

About Research and Development Program

- R & D in accordance with the spent fuel pool fuel extraction

-And long-term health assessment of the fuel assembly other taken out from the spent fuel pool, damage

Make the research study of how to handle such fuel.

- R & D in accordance with the preparation is removed fuel debris

, And remote decontamination technology of the reactor building, research on the development of comprehensive dose reduction plan

I will do the research development.

, Survey and repair it for the Mizubari of the reactor containment vessel and (still water) technology, reactor rated

Make the research and development of technology internal investigation of the reactor pressure vessel and containment.

- About furnace structure and fuel debris, or to conduct research and development of equipment and take-out method

To. In addition, as well as furnace fuel debris storing, transport and storage technology development, fuel debris

I perform critical management technology, the research and development of metrological control measures.

- Understanding of the characteristics using the simulated debris, property analysis of the actual debris, fuel debris treatment

I will do the research and development of technology.

-And the development of health technology assessment of reactor pressure vessel / reactor containment, accident progress

I will do research and development on the understanding of the furnace situation by sophisticated analysis technology.

- R & D in accordance with the treatment and disposal of radioactive waste

, Processing and disposal of solid waste, including the treatment and disposal of the secondary waste associated with the contaminated water treatment

I will do the research and development related to minute

About Research and Development Program

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The need for research and development were divided into items of the above-mentioned three Research and development in accordance with the ① spent fuel pool fuel extraction

For spent fuel, the effect of the mixing of concrete rubble, such as seawater injection

And integrity assessment for long-term reliability that is based on, and toward the treatment and disposal of future

R & D digits are required.

Research and development in accordance with the preparation is taken out ② fuel debris

The present invention relates to a severe accident, the work of Decommissioning in the reactor building at the high dose under

In order to perform the work, we dose reduction in the building, do not ensure access of workers

It should not unless, it is necessary to develop and demonstration of a remote decontamination equipment therefor.

Further, eject the fuel debris part of the furnace structure and the nuclear fuel is melted and solidified

Upon be, fuel debris by which the reactor containment vessel and the reactor pressure vessel

It is necessary to figure out what is so present, and development of internal investigation technology, furnace

Improvement of heart situation simulation accuracy is required.

Furthermore, considered one of the construction method to work in water and excellent shielding most

Since it is, in order to tension the water containment vessel damage 箇 containment vessel, etc.

Method and equipment to develop technologies and methods to repair to identify the plants, take out the fuel debris

Development of is required.

Research and development in accordance with the ③ radioactive waste treatment and disposal

The release of debris associated with high-dose, cut trees, soil, and demolition waste, the treatment of contaminated water

(Zeolite waste, sludge, etc.) for the nuclear power plant of conventional radioactive waste

Because the features in waste occurred is different, to analyze its properties, the results

Development of technology to manage properly in the light, to processing and safe disposal is required.

Term Explanation

- and Research Association is?

With respect to technology used in industrial activities, Research Association, the union members themselves

Mutual aid organizations conduct joint research for (nonprofit mutual benefit corporation). Each partner, research

To conduct joint research in each other's issues, research funding, facilities, etc., to manage jointly the results,

I take advantage of each other union members. It should be noted, is not the organization to increase revenue.

- the levy is

To conduct joint research with each other out researchers, research funding, facilities, etc. Each partner that culminates

It is to be managed by the joint result, take advantage union members each other but contributions from companies

I have called the levy that of withdrawal.

- and international adviser

It is considering that, for Research Association, and get advice from experts at home and abroad

That.

- with international and cooperation sector

Providing information to overseas information and research on knowledge and technology

overseas, the University of local, national and Department to do correspondence etc. with research institutes and companies.

- with the international decommissioning expert group

Advisory machine made up of foreign experts to make recommendations and technical advice to the Research Association

I say the relationship. The group, from the TEPCO group made up of experts in Western You have decided to take over.

- About 17 union Start by corporation

In the practice of research and development projects in the country led to participation and contribution direct originally

A result of the consultation research institutes of the public and private sectors had played a central role, and decided to establish a union

This is what was decided.

- and fuel debris

In climbing terms, or refers to the debris of rock collapsed, that the snowpack fallen avalanche I represent and debris. I also can say that space debris that of space junk.

Those Chinami This hardened again like cladding and the fuel that was in the reactor is melted I refer to.

(Image of R & D) situation the introduction of the R & D

■ 3 theme union research and development this year

Research and development according to the first. Spent fuel pool fuel extraction

Research and development in accordance with the ready to take out 2. Fuel debris

Research and development in accordance with the 3. Radioactive waste treatment and disposal

※ I introduce the individual research of the few

- work steps ① to the fuel debris removed
- image of the main research and development related to the preparation removed fuel debris ② and development of remote decontamination technology of the reactor building
- ③ and development of the reactor containment vessel internal investigation technology
- And development of ④ (still water) technology research and repair toward the reactor containment vessel Mizubari

- image of research and development related to the treatment and disposal of radioactive waste
- And R & D ⑤ in accordance with the treatment and disposal of radioactive waste

① image of work steps to the fuel debris removed

How to take out in a state in which the flood the fuel debris, most reliable from the viewpoint of working exposure reduction

In addition to research and repair technology for Mizubari of containment, the fuel debris retrieval, storage and storage

Promotion of the necessary research and development

At the same time , backup plan of flood method other than study

② image of the main research and development related to the preparation removed fuel debris

■ Development of remote decontamination technology of the reactor building

Toward the fuel debris removed, reactor containment leakage

For investigation of the place, the work environment, such as improvement of repair,

Development of remote decontamination equipment that meets the pollution situation in the field

Decontamination equipment development image

And developing a remote decontamination unit of three so far.

Future, I apply building top floor, the floor height section

The development planned for remote decontamination equipment.

High-pressure water cleaning decontamination equipment

Dry ice blasting decontamination equipment

Blast suction recovery decontamination equipment

③ image of the main research and development related to the preparation removed fuel debris

■ Development of the reactor containment vessel internal investigation technology

Shape of fuel debris and state of the reactor containment vessel

Open it by remote survey method, the equipment for the conditions hold

Emit.

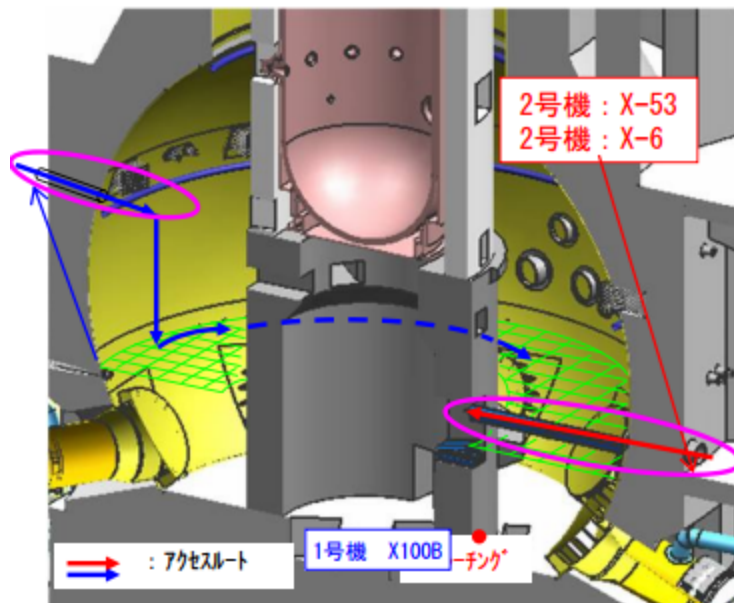
Research equipment and access route image

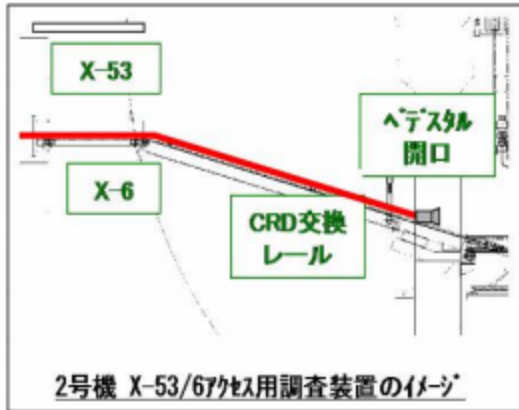
In order to check the status (pressure vessel under (pedestal),

Developing a device to be accessed by (CRD unloading port) X-6.

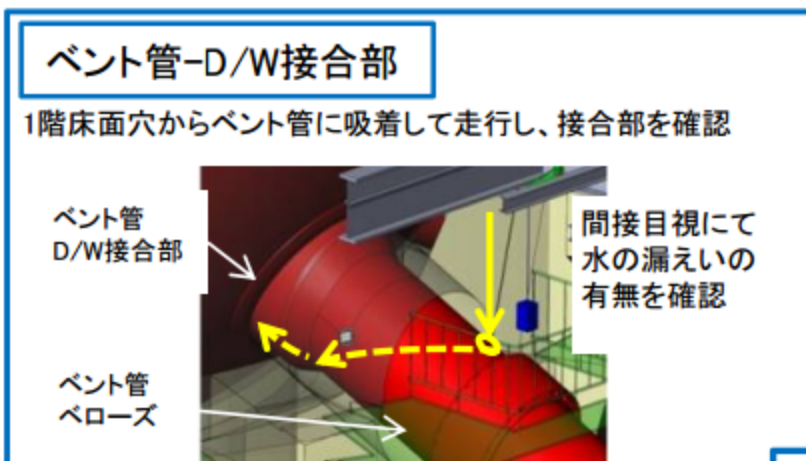
As a preliminary investigation, Unit 1: from X-53:, 2 Unit X-100B

The development of the device that you want to access.)

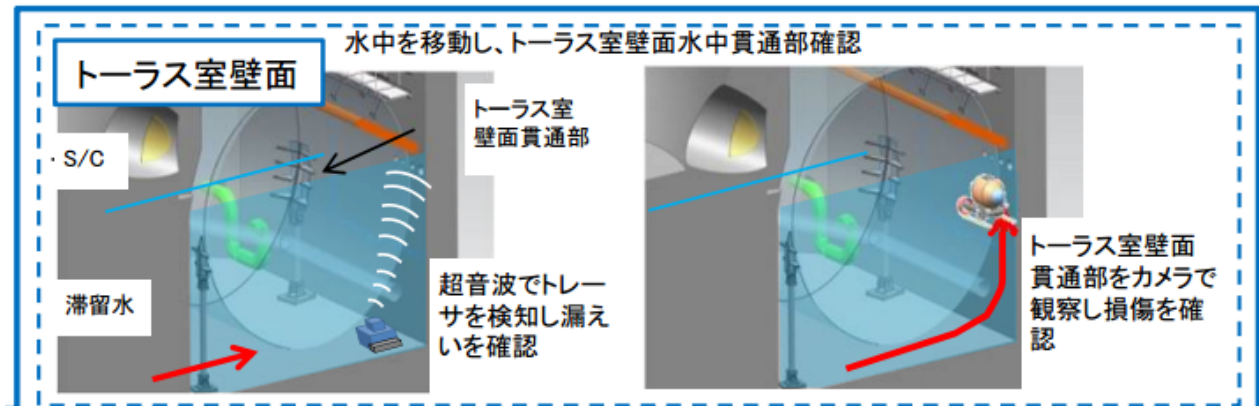




- ④ image of the main research and development related to the preparation removed fuel debris
- research and repair toward the reactor containment vessel Mizubari
 - Development of (water stop) technology
 - For leakage point of the reactor containment vessel, etc., by remote
 - Development of the device (still water) method investigation and repair.
 - Inspection survey image of each part
 - Extracting the part with the possibility of damage to date, inspection survey Engineering
 - The development of law enforcement, such as the design, the development of the device.



- Vent pipe-D / W junction
- The traveling adsorbed on the vent pipe from the first floor floor hole, check the junction
- Vent pipe
- D / W junction
- In indirect visual
- Disclosure water
- Check that there
- Vent pipe
- Bellows



Move the water, torus chamber wall surface water through portions confirmation

Torus chamber wall surface

S / C

Accumulated water

Torus room

Wall penetrations

Tray with ultrasound

The example leak detect the difference

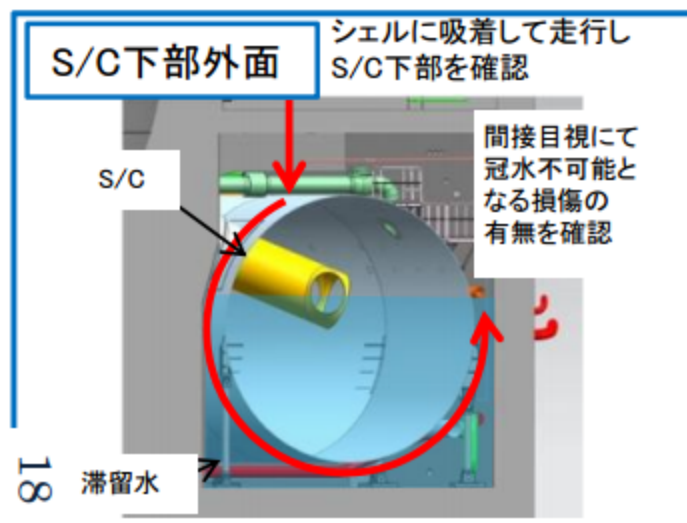
Check the well

Torus chamber wall surface

With the camera penetrations

To ensure the damage observed

Recognition



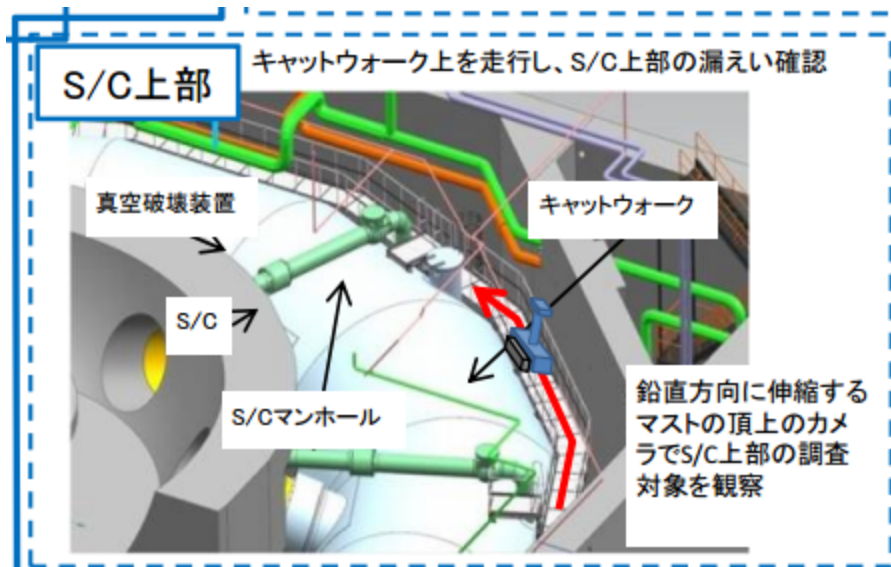
S / C bottom exterior surface

The traveling adsorbed on the shell

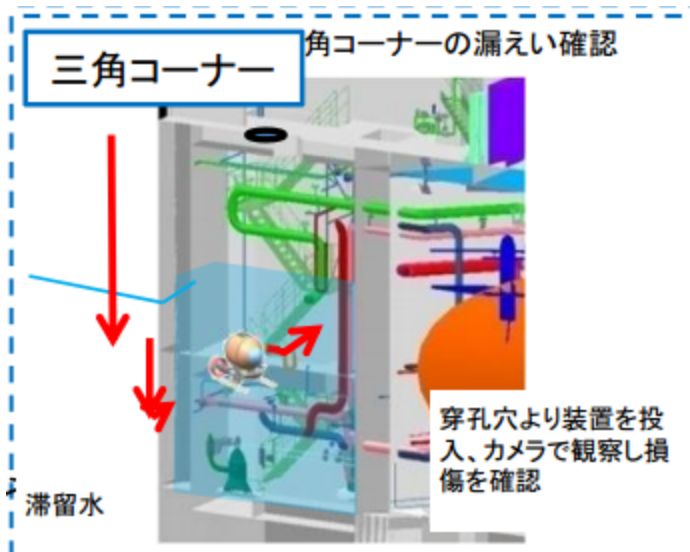
Check the S / C bottom

In indirect visual

And flooding impossible
Of damage within the
Check that there



S / C top
The traveling on the catwalk, check leakage of S / C top
Catwalk
Vacuum breaker
S / C manhole
I stretch in the vertical direction
Turtle of the top of the mast
Study of S / C at the top La
To observe the target



Sink strainer
Check leakage of angle corner

The tow equipment from drilling hole
Loss was observed input, the camera
Check the wound

Research and development in accordance with the radioactive waste treatment and disposal
diagrams not translatable.