

Tour of the Tomari Nuclear Power Station of Hokkaido Electric Power Co.

1. Outline Overview

Participants will visit Tomari Nuclear Power Station of Hokkaido Electric Power Co.

First, visitors will learn about the outline of a nuclear power plant conceptually at Tomarin-kan.

Next, outside, the tour will visit seawalls and other facilities related to disaster prevention systems against natural disasters.

In the indoor facility, we will enter the control area where control equipment, power generation equipment, reactor equipment, and fuel handling equipment are located. In particular, thanks to the cooperation of Hokkaido Electric Power Company, we will be able to enter the actual reactor containment vessel. This is a rare and extremely valuable opportunity.

Finally, you will actually touch the simulator equipment and experience the operation of the reactor.

During the tour of the power plant, you will be escorted by Hokkaido Electric Power Company employees, including Hokkaido University alumni, who are your seniors, so this is a valuable opportunity to hear the real voices of those who work at nuclear power plants.

2. Date and Time

Saturday, November 18, 2023, 9:00 a.m. - 6:30 p.m.

3. Location

Tomari Nuclear Power Station, Hokkaido Electric Power Co.

219-1, Aza Yamanoue, Horikabumura, Tomari-mura, Kou-gun, 045-0201

TEL 0135-75-3331

<https://www.hepco.co.jp/english/index.html>

4. Tour Schedule

See Attachment 1 for schedule details.

Meeting time and date: Saturday, November 18, 8:50 a.m.

Meeting place: In front of the main entrance of the Faculty of Engineering, Hokkaido University (See Attachment 2: Campus Map)

Emergency Contact

Hiroshi Nakashima

5. Meals

Lunch will be served at Tomarin Kan.

6. Prior learning

A pre-lecture will be held on Friday, November 17, Lecture 5, in Conference Room A4-63.

Although it is not mandatory, those who are able to attend are encouraged to attend, as a tour will also deepen your understanding.

Lecture Title: "Nuclear Power Initiatives of Hokkaido Electric Power Co.

Lecturer: Mr. Yoshiya Takeda, General Manager, Nuclear Energy Business Management Department, Hokkaido Electric Power Co.

Lecture Title: "Preliminary Lecture on Simulator (tentative)

Lecturer: Mr. Goro Utsuya, Power Generation Office, Tomari Power Station, Hokkaido Electric Power Co.

In addition, please study the following study materials in advance and summarize your questions and points of interest.

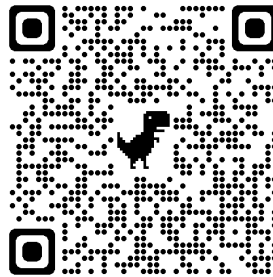
Please submit them to the ANEC Secretariat (aneoffice@hokudai.eng.ac.jp) by Friday, November 10. Any format is acceptable.

#01” Reactor Engineering”

- ▶ [Introduction to Nuclear Reactor Engineering I – How Reactors Work \(Go Chiba\)](#)
- ▶ [Introduction to Nuclear Reactor Engineering II –Various Reactors– \(Go Chiba\)](#)
- ▶ [Nuclear Reactor Engineering I –Fission Chain Reaction and Criticality– \(Go Chiba\)](#)
- ▶ [Reactor kinetics \(Go Chiba\)](#)
- ▶ [Thermal Engineering of Nuclear Reactors \(Hiroto Sakashita\)](#)
- ▶ [Pressurized Water Reactor \(PWR\) \(Yoichiro Shimazu\)](#)
- ▶ [Framework of Approach and Evaluation Methods for Ensuring Safety of Nuclear Power Plants and Current Status of Safety Improvement after the Accident at TEPCO’s Fukushima Daiichi Nuclear Power Station \(Kenichiro Sugiyama\)](#)

7. Questionnaire carried out in advance

Please cooperate with us by filling out the preliminary questionnaire. Please scan the QR code below with your smartphone and respond by Friday, November 10.



We will also ask for your cooperation after the tour, as we will conduct a post-tour questionnaire to see the effectiveness of the tour.

8. Precautions

•We will check your ID at the site. **Be sure to carry the identification card you registered earlier.** If your identity cannot be verified, you will not be allowed to enter the nuclear power plant.

•Body temperature above 37.5° C, loss of taste, etc , **If you feel unwell, please contact us immediately.**

•Please refrain from participating in practical training if you have a fever or other illness in the two weeks prior to the training.

•Please be sure to sterilize the area frequently to prevent infection.

•**Please observe the precautions for visiting Tomari Nuclear Power Station.**

and upwards

Tomari Nuclear Power Station Tour Schedule (tentative)

Date and Time	Contents	Remarks
9:00	Departure from Sapporo (Chartered bus)	
Around 10:50	Meet at the main entrance of the Faculty of Engineering, Hokkaido University.	
11:00~11:30	Arrival at Tomarinkan (ID card confirmation) Conference	
11:30~12:30	Room 2	
	Tour of Tomarinkan	Lunch will be
	Lunch and Briefing	provided by
	@Tomarinkan Conference Room	Hokkaido
12:30~12:40		Electric Power
		Co.
12:50~13:20	Transfer to power plant (By power plant bus)	
(30 min.)	(Entry through the Chatsu guard station)	
	【Tomari Power Plant Tour】	
	«Outdoor Facilities»	
	• Observatory (General description)	
13:30~15:00	Explanation of the overall layout at the observatory	
(90 min.)	overlooking the Tomari Power Station	
	• Seawall and sea wall (From car window)	
	«Indoor facilities (Unit 3)»	
	(Uncontrolled area)	Tour in two
	• Central Control Room and Turbine Building (Guided tour	groups
	from the visitor route)	
	(Controlled area)	
	• Inside the reactor containment vessel (Spray rings, PARs,	
	igniters, etc.)	
15:10~15:20	The tour includes a static catalytic hydrogen	
(10 min.)	recombination device (PAR) and an electric hydrogen	
15:30~15:50	combustion device (Igniter) installed to prevent	
(20 min.)	hydrogen explosions.	
	• Fuel Handling Building (Laboratory)	
16:00~16:10	Visiting the pit where spent fuel is stored	
16:10~16:30	«Tour of the General Management Office»	
	Visit to the office where our employees (approximately 500	

16 : 40	people) are stationed « Simulator Facilities » Touching the simulator of the comprehensive digital operation control panel observed in the central control room Move to Tomaritokan Q&A and discussion End of tour (Arrive Sapporo around 18:30: Faculty of Engineering ⇒ Sapporo Station North Exit)	
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