



Mr. Hayashi, President, Chubu Electric Power Company, and Mr. Toyoda, Plant Manager, Hamaoka NPS, which received 2024 JANSI Award



JANSI Topics

2024 JANSI Special Award for Nuclear Power Station

JANSI Special Award for Nuclear Power Station is given to an exemplary station excelled in a specific area. In 2024, the 6th year, Hamaoka Nuclear Power Station. Chubu Electric Power Company won the prize for “AI system to confirm wearing of protective garments at radiation controlled area”. Mr. Kato, JANSI CEO, presented the commemorative shield.

Hamaoka introduced the AI recognition system to prevent workers entering controlled areas without proper protective clothing including blue work uniforms, blue caps, gloves and blue socks. The gates of the controlled areas are linked to the AI recognition system. Gates open only when all protective clothing is appropriate. As a result, cases of non-appropriate clothing have become zero.



Mr. Toyoda, Plant Manager, Hamaoka Station, is delivering speech at the award ceremony

JANSI Topics

US-Japan CNO Leadership Meeting

US-Japan CNO Leadership Meeting was held on November 21-22, 2024, discussing the lessons learned from Fukushima Daiichi accident and initiative for plant performance improvement with participation of 12 CNOs (4 from the US and 8 from Japan)
US-Japan CNO Leadership Meeting is held every year alternately in Japan and the United States. The meeting in 2024 was held in Japan.

【Themes】

- **The lessons learned from Fukushima Daiichi accident**
 Sharing actual experience of plant staff who responded to the crisis at Fukushima Daiichi,
 History of assessment of expected tsunami and countermeasures
- **Plant performance improvement Initiative for plant performance improvement in Japan and the United States and roles of CNO, INPO and JANSI**



The Meeting

JANSI Activities

JANSI Activity Status

Critical success factors	Main actions
<p>1. Development of a healthy safety culture</p>	<p>(1) Leading the enhancement of operators' awareness as a self-regulatory entity</p> <ul style="list-style-type: none"> ● Conducted JANSI-JNO joint-assessment and had interview at all stations and the reprocessing plant. ● Senior Representatives (SR) (JANSI's representative liaison to the station) regularly visit stations. ● Issued bimonthly JANSI Activities and enhanced communication with working-level staff of the stations.
	<p>(2) Supporting safety culture fostering activities</p> <ul style="list-style-type: none"> ● Safety culture on-site diagnoses are conducted at 4 sites. Total 5 diagnoses are scheduled for FY 2024. ● Peers from Japanese nuclear operators participated in the safety culture on-site diagnoses.
	<p>(3) Determining and deploying organizational effectiveness to maintain and sustain high performance levels</p> <ul style="list-style-type: none"> ● Participated in WANO Corporate peer reviews (CPR). ● Held organizational effectiveness working group meeting.



JANSI Activities

JANSI Activity Status

Critical success factors	Main actions
<p>2. Use of foundational program for voluntary and continuous improvement</p>	<p>(4) Pursuit of world's excellence</p> <ul style="list-style-type: none"> ● Held a excellence guideline revision working group meeting in each area. ● Conducted team performance improvement training for 10 stations.
	<p>(5) Effectively and efficiently performing high-quality peer reviews</p> <ul style="list-style-type: none"> ● 2 peer reviews on power stations are planed for FY 2024. Preparing peer reviews with stations. ● 1 WANO equivalency peer review is planned and preparing the peer review with the station. ● Planned peer reviews at 3 manufacturer's sites and conducted peer reviews on all 3 sites. ● Coordinating with WANO for peer reviews, equivalency peer reviews and equivalency assessment for continuation of equivalency status.
	<p>(6) Maturing and effectively utilizing performance monitoring and continuing monitoring (PMCM)</p> <ul style="list-style-type: none"> ● Conducting PMCM at all 6 operating stations. ● Developing an integrated review system for performance indicators (PI)
	<p>(7) Continuously improving Plant Integrated Assessment</p> <ul style="list-style-type: none"> ● Reviewing the plant integrated assessment system for improvement ● Held ceremony of ANSI Special Award for Nuclear Power Station
	<p>(8) Improving operating experience (OE) activities</p> <ul style="list-style-type: none"> ● Regularly screening OE information of Japan and abroad and share OE information with utilities.
	<p>(9) Prompt and appropriate responding to important issues</p>

JANSI Activities

JANSI Activity Status

Critical success factors	Main actions
<p>3. The Securing and training of personnel required in business administration</p>	<p>(10) Enhancing and conducting leadership training, seminars, and other gatherings Conducted follow-up for Plant Manager Training, Shift Supervisor Training, Deputy Shift Supervisor Training, of Station Line Managers Training.</p>
<p>4. Enhancement and strengthening of the foundation (e.g., function, awareness, technological capability), and implementation of effective and efficient activities as a self-regulatory organization</p>	<p>(11) Establishing the foundation as a self-regulatory organization</p> <ul style="list-style-type: none"> ● Conducted small group meetings of JANSI CEO and employees as scheduled for FY 2024. ● Streamlining common work of departments. ● Improving data and information utilization system.
	<p>(12) Coordinating and building a relationship of trust with relevant institutions and organizations at home and abroad</p> <ul style="list-style-type: none"> ● Participated in INPO CEO Conference. ● Held domestic advisory committee meeting. ● Planning technical cooperation meeting with the Central Research Institute of Electric Power Industry (CRIEPI). ● Planning cooperation and coordination meeting with Atomic Energy Association (ATENA)
<p>5. Important issues that require urgent action</p>	<p>(13) Supporting the long-term shutdown plants, and supporting their restart</p> <ul style="list-style-type: none"> ● Send liaisons to Onagawa and Shimane stations to support the plants in their start-up period.
	<p>(14) Supporting nuclear fuel cycle facilities</p> <ul style="list-style-type: none"> ● Regular visit by senior representatives (SR)
<p>6. Others</p>	<p>Operation supervisor certification exams and accreditation tasks</p> <ul style="list-style-type: none"> ● Implemented 3rd shift supervisor qualification examination in FY2024 ● Held a meeting with qualified operation supervisors

Status of nuclear facilities in Japan

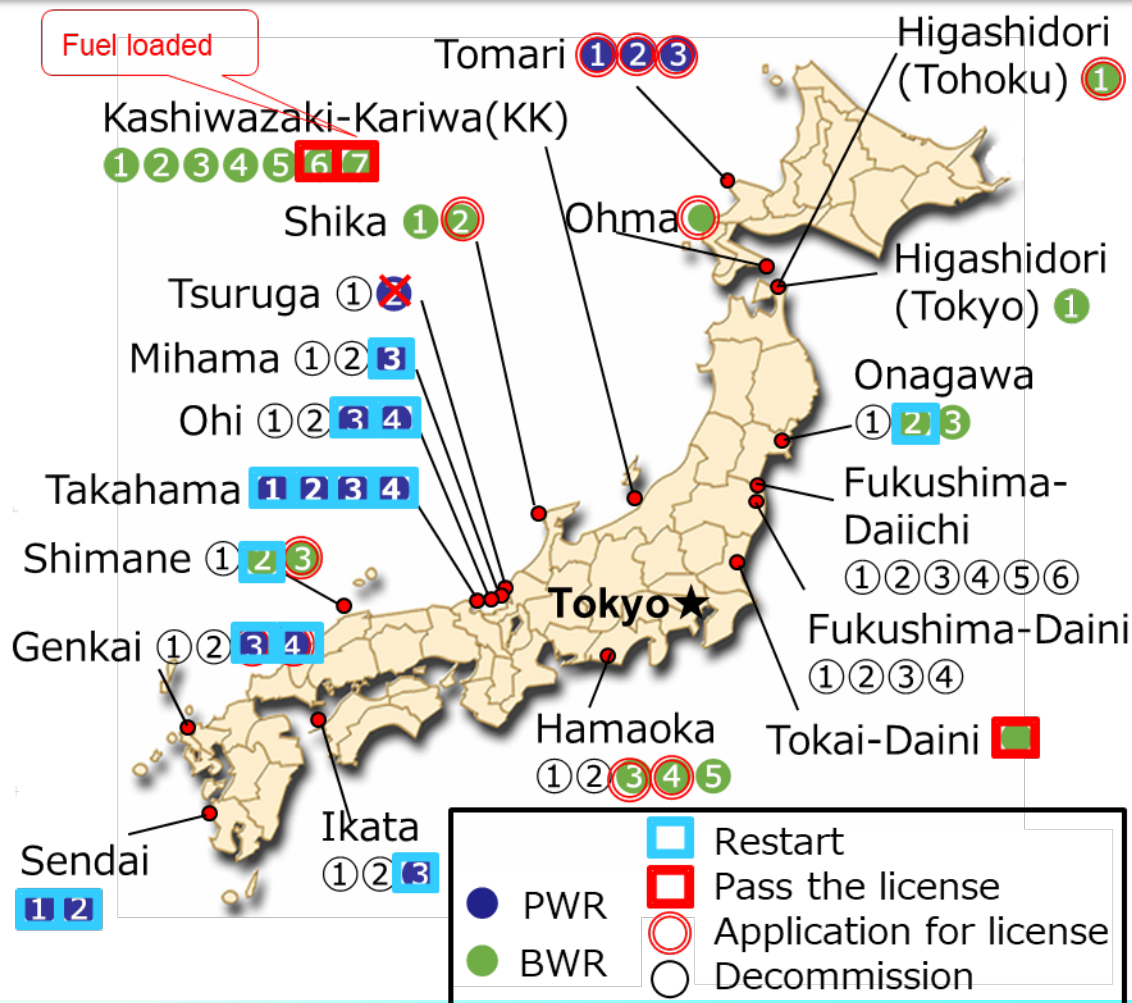
Status as of the end of December 2024

- October 16, Kansai Electric announced that Technical Specifications required for beyond 50 year operation of Takahama Unit 1 were approved by the Nuclear Regulatory Committee (NRA). Takahama Unit 1 is the first unit in Japan that was approved beyond 50 year operation.
- October 16, Shikoku Electric announced that Beyond 30 year operation of Ikata Unit 3 was approved by NRA.
- October 29, Tohoku Electric announced that Onagawa Unit 2 restarted. This is the first BWR, the same type reactor of Fukushima, in Japan resumed operation after the Fukushima Daiichi accident.
- November 13, Japan Atomic Power Company expressed their intension to continue their effort to restart Tsuruga Unit 2 and they will re-apply for approval, although NRA rejected the application for approval of Tsuruga Unit 2.
- November 15, Tohoku Electric announced Onagawa Unit 2 started producing electricity.
- November 27, Sendai High Court rejected the appeal by 16 Ishinomaki citizens to stop the operation of Onagawa Unit 2.
- December 7, Chugoku Electric announced that Shimane Unit 2 restarted operation.
- December 18, the government published a draft of the new Strategic Energy Plan. In the draft, the words of “reduce the dependence on nuclear energy as much as possible” in the current plan are deleted and nuclear energy and renewable energy are to be used at a maximum. The conditions of construction of new plants replacing decommissioning plants are relaxed. Development of next generation reactors is to be promoted.



Nuclear Power Stations in Japan

- Before Fukushima accident, 54 plants operated, 3 plants constructed and 2 plants decommissioned by 11 operators.
- 27 plants (16 PWRs and 11 BWRs) applied for the installation license to meet the new regulatory requirement. Decommissioning plants increased sharply to 23.
- 17 Plants (12PWRs and 5BWRs) passed the review of the installation license, only 12 PWRs and 2 BWRs restarted. 1 plant was not approved.



Status of review of installation license	PWR (●)	BWR (●)	Total
Restart (□)	12	2	14
Pass (□)	0	3	3
Not approved (x)	1	0	1
Application (○)	3	6	9
Others (Preparation etc)	0	9	9
Total	16	20	36

Number of Decommission	PWR	BWR	Total
Decommission (○)	8	15	23

JANSI Topics

2024 WANO Nuclear Excellence Awards

JANSI held a celebration party for Mr. Yamazaki who received WANO Nuclear Excellence Awards, which was reported by JANSI On-Line No. 18, October 2024. The reason for awarding is “He provided transformative leadership for the Japanese nuclear industry while serving as the President and CEO from 2018-2024. Upon appointment, He strengthened the governance structure and provided long-term strategic direction thereby establishing JANSI as a credible self-regulatory body within Japan. Additionally he improved JANSI Peer Review quality by obtaining equivalency to a WANO Peer Review. His inspirational leadership fostered a community of senior industry leaders committed to ever-rising standards of nuclear safety.”

For this JANSI On-Line No. 19, Mr. Yamazaki gave us the following message: “I appreciate the celebration party, which was held while I was keeping a fresh memory of the award ceremony of the WANO Biennial General Assembly. I was grateful for the words of congratulations offered by many people including Mr. Webster and Mr. Kato. I am very honored and proud of receiving the award, which is recognition by the world for the efforts of Mr. Webster and all the employees of JANSI. I hope, with the encouragement of this award, JANSI and the Japanese nuclear industry advance forward to continuous and self-sustaining improvement of safety.”



JANSI
Japan Nuclear Safety Institute



Cerebration party