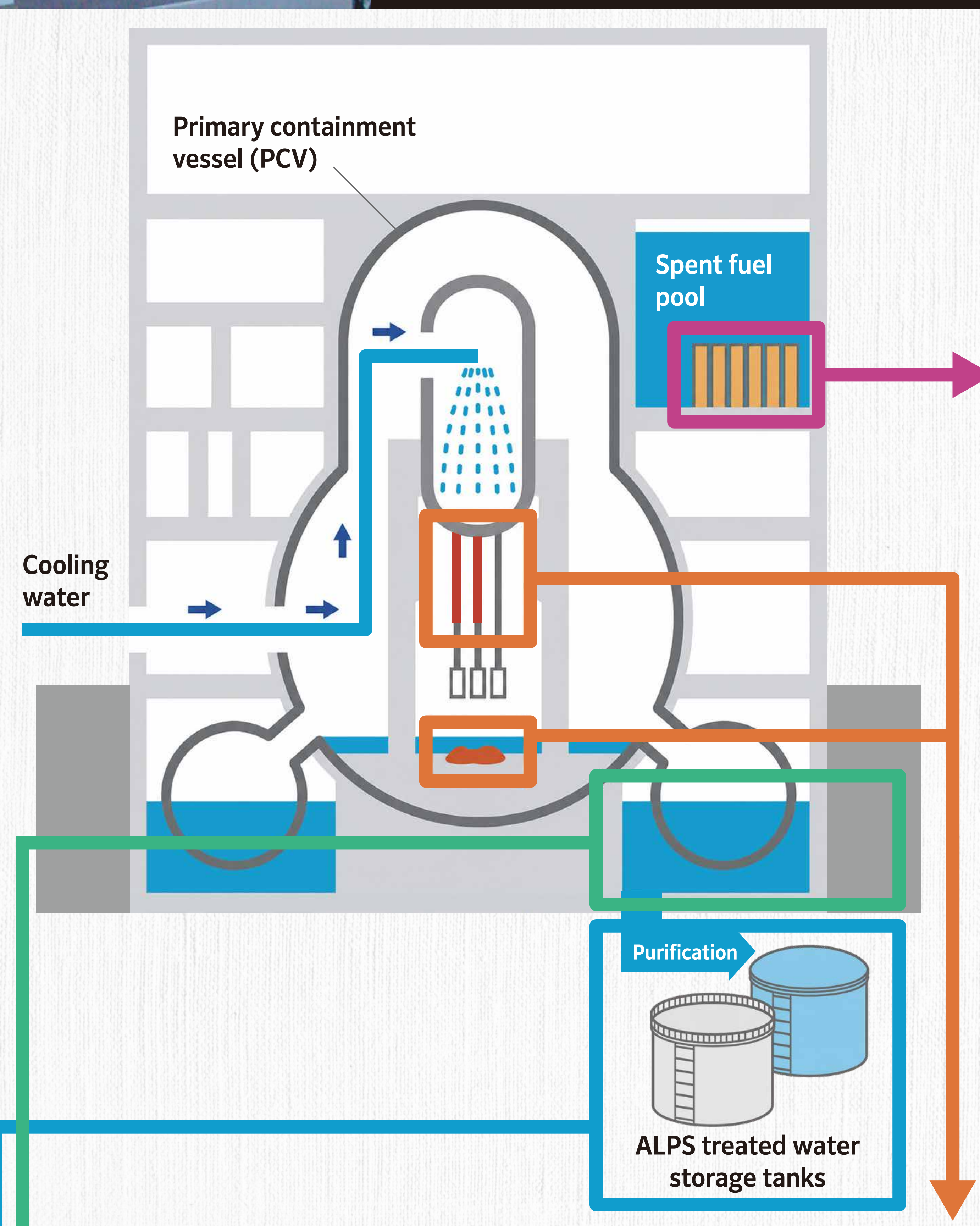




Progress in the Decommissioning of Fukushima Daiichi NPS





Fuel Removal

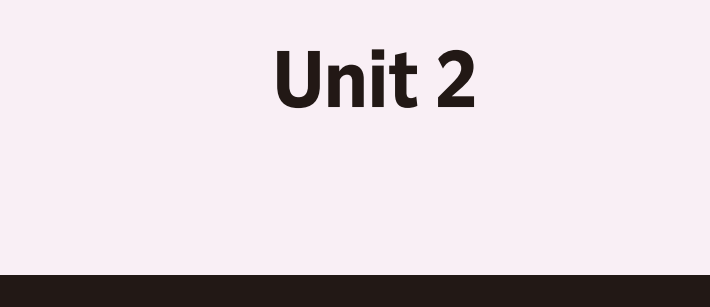
Progress has been made toward complete spent fuel removal by 2031, as set out in the Mid-and-Long-Term Roadmap.

Latest Developments

Unit 1 : Large cover installed to prevent radioactive dust spread in January 2026. Fuel removal access work started in June 2026.



Unit 2 : Fuel removal started in June 2026.



Developments over 15 years

Unit 3
February 2021
Completed removing



Unit 4
December 2014
Completed removing



Unit 5
Commencement of fuel removal July 2025



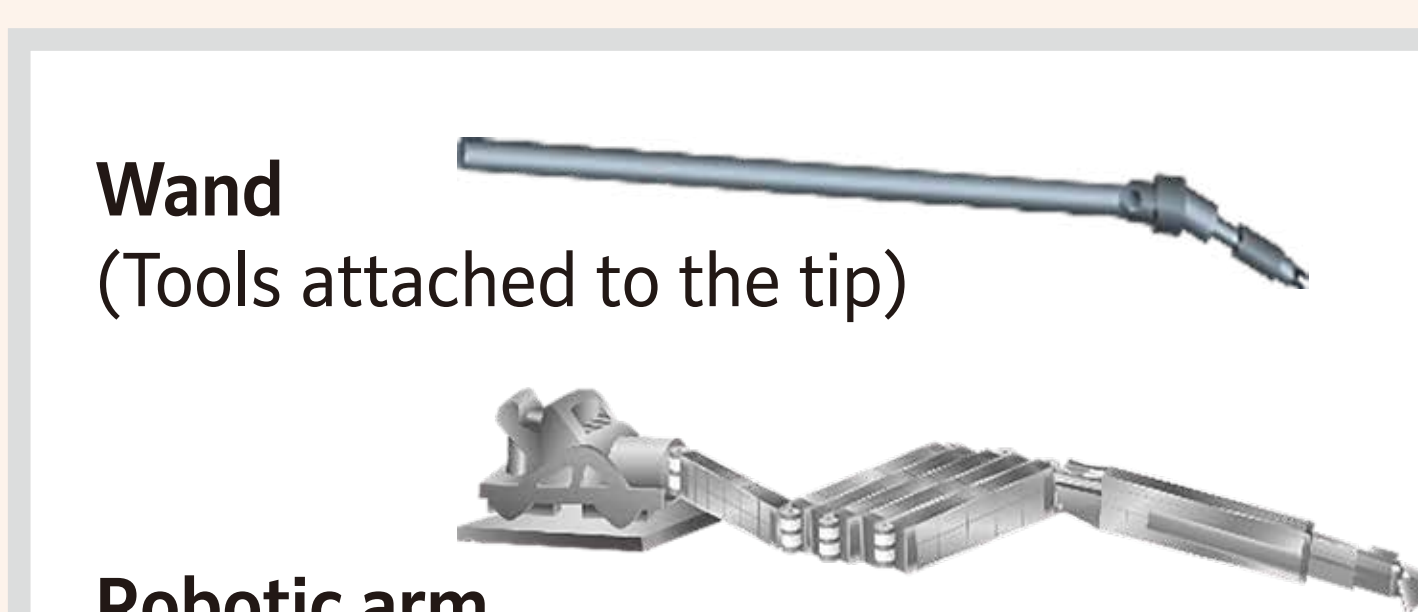
Unit 6
April 2025 Completed spent fuel removing



Fuel Debris Retrieval

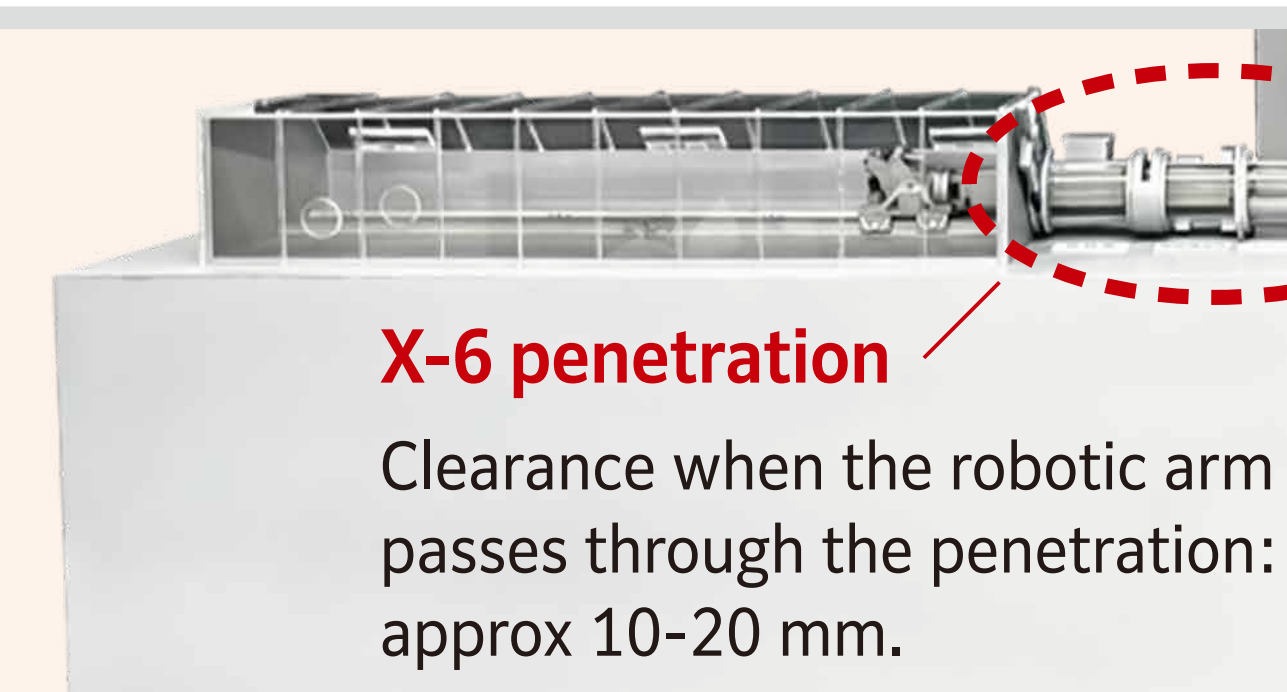
Latest Developments

Unit 2 : A robotic arm will be inserted into the PCV to investigate the interior and conduct a third fuel debris trial retrieval.



Wand
(Tools attached to the tip)

Robotic arm



X-6 penetration
Clearance when the robotic arm passes through the penetration: approx 10-20 mm.

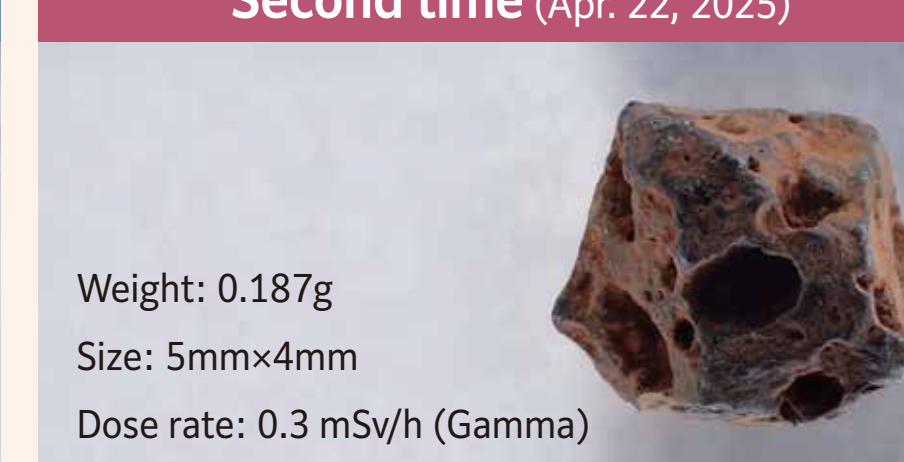
Analysis of retrieved debris will be used as a reference for further technical studies.

First time (Nov. 7, 2024)



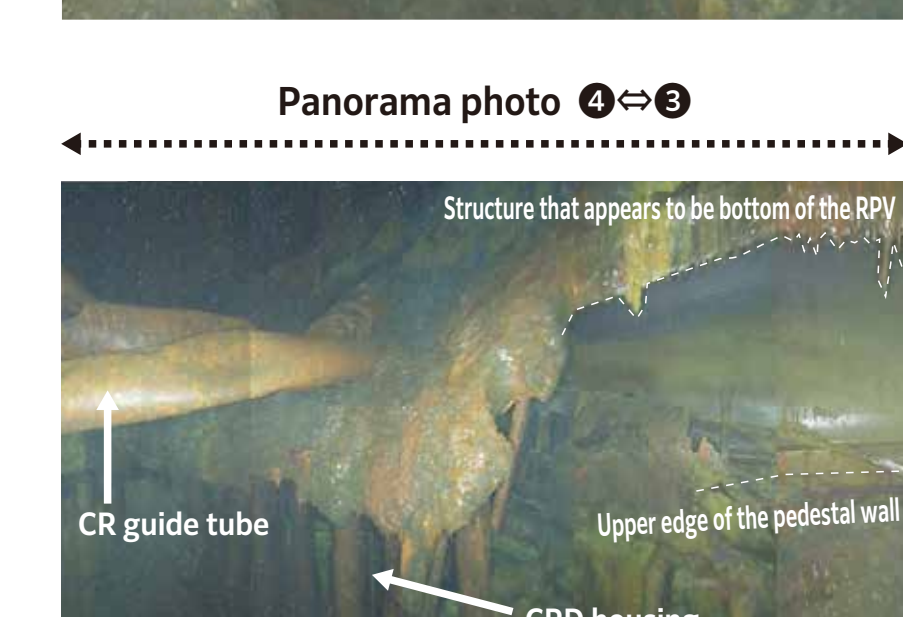
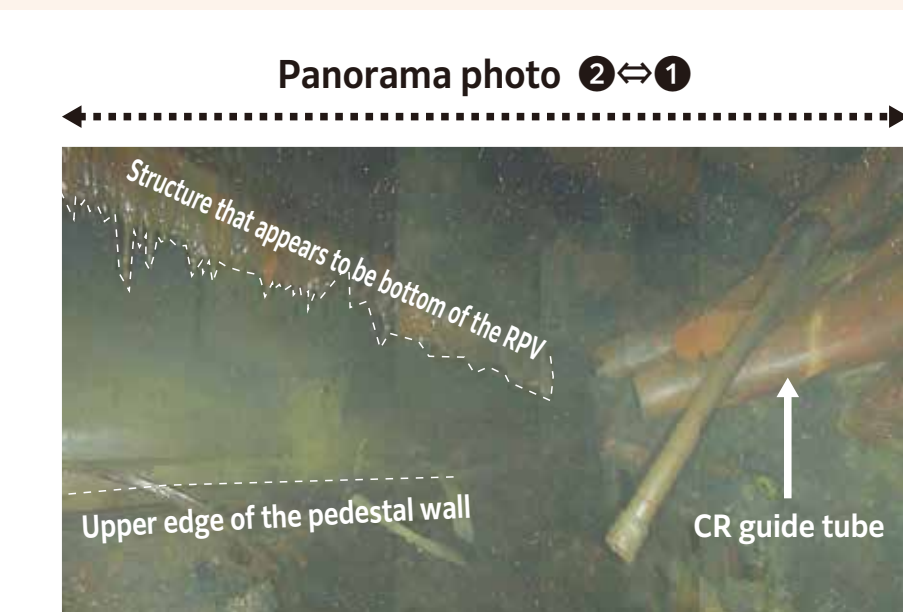
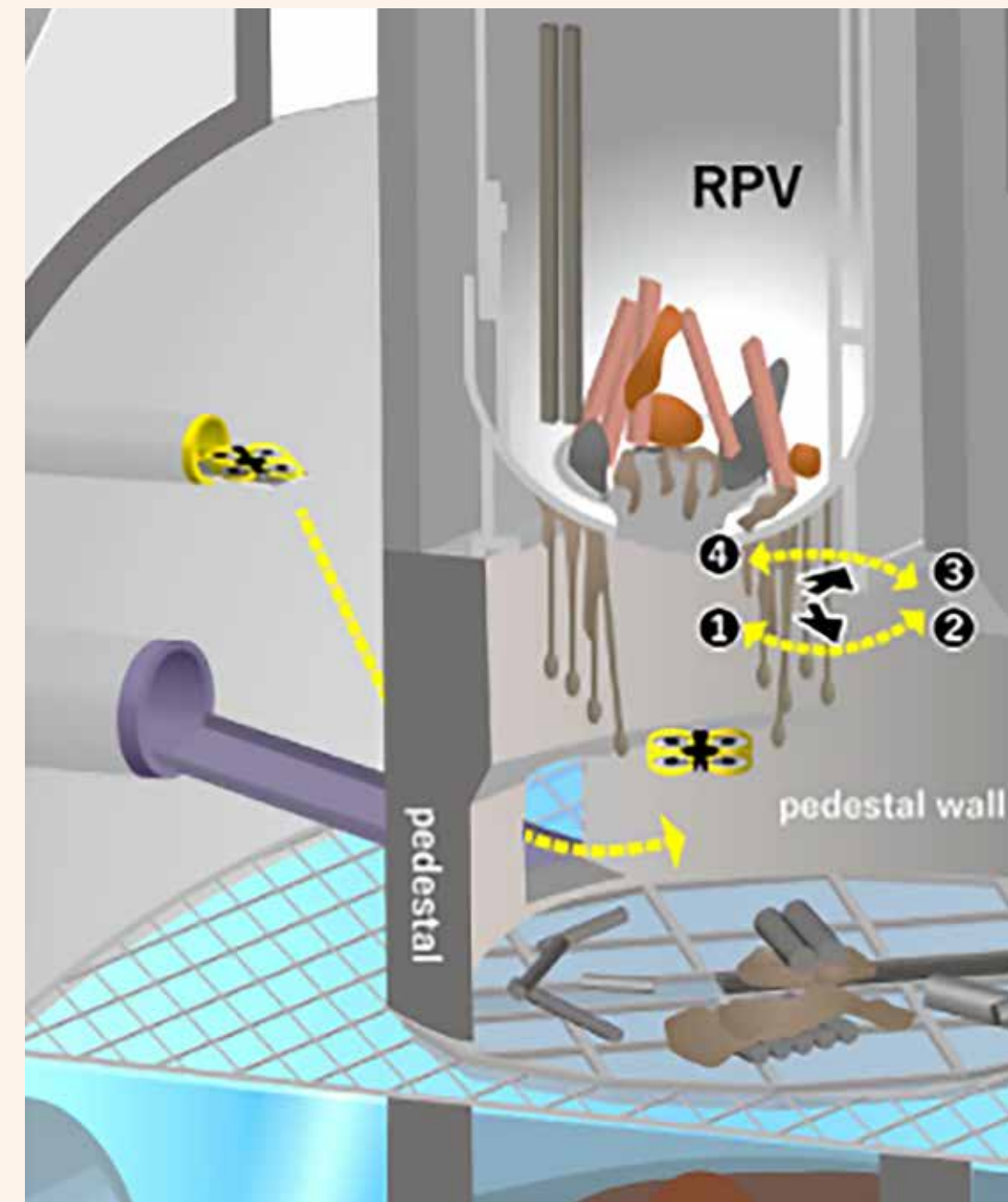
Weight: 0.693g
Size: 9mm×7mm
Dose rate: 8 mSv/h (Gamma)

Second time (Apr. 22, 2025)



Weight: 0.187g
Size: 5mm×4mm
Dose rate: 0.3 mSv/h (Gamma)

Unit 3 : In 2026, a drone investigation captured the first-ever images believed to show the bottom of the RPV, providing valuable data for future fuel debris retrieval.

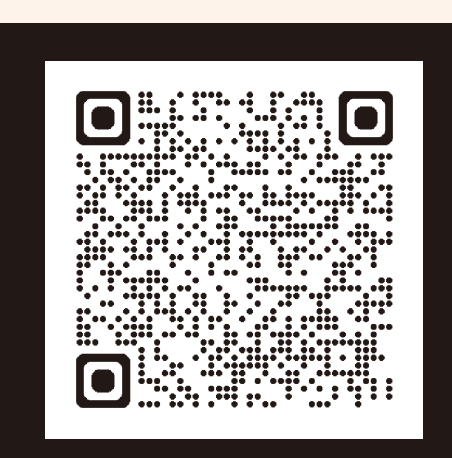


Further details and footage are available at the link below.

Developments over 15 years

Fuel debris retrieval advancing step by step, demonstrating remote investigation and retrieval in inaccessible environments.

FUEL DEBRIS PORTAL SITE



Managing Contaminated Water

- Multi-layered countermeasures to manage contaminated water
 - Reduce contaminated water generation (groundwater bypass, frozen soil wall, sub-drain system)
 - Prevent leakage into the environment (sea-side impermeable wall, introduction of welded tanks)

Cross-section view

Generation (m³/Day)

ALPS Treated Water Discharge

- ALPS-treated water discharges started in August 2023.
 - 22 discharges totaling approx. 173,000m³ safely completed (as of August 2026)
 - Stored water decreased by approx. 8% compared to pre-discharge levels (as of August 2026)
 - 17 empty tanks dismantled (as of August 2026)
- IAEA reviews and multi-layered monitoring activities have confirmed that the discharges are being conducted safely. In June 2026, the IAEA Director General Grossi visited Fukushima and stated that ALPS-treated water has been discharged in a safe and controlled manner.



Tank dismantling has made progress.



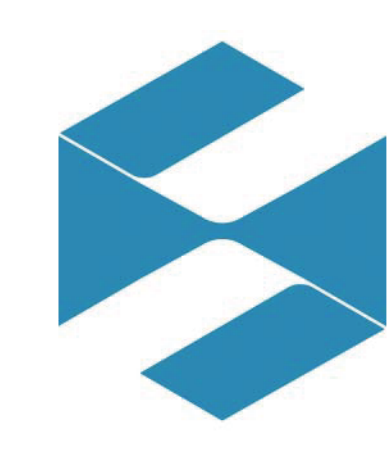
DG Grossi himself sampled seawater.

Progress Made

Steadily advancing decommissioning through fuel removal, fuel debris retrieval, management of contaminated water, discharge of ALPS treated water, improvements to the work environment, waste management, and R&D.

Way Forward

Tackling the hardest technical challenge, large-scale fuel debris retrieval with full responsibility, while leveraging new technologies such as AI. Ensuring the safe discharge of ALPS treated water.



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