

Fukushima Daiichi Nuclear Power Station Unit 2 Progress of Fuel Removal from Spent Pools

March 27, 2025



Tokyo Electric Power Company Holdings, Inc.

1 . Plan and progress of fuel removal from spent pools

- Work is being carried out inside and outside the building to commence the fuel removal from spent pools by FY2026.
- After the fuel removal work platform has been constructed, and opening will be made on the south side of the reactor building operating floor. Furthermore, after that fuel handling equipment will be installed.

【On-site】

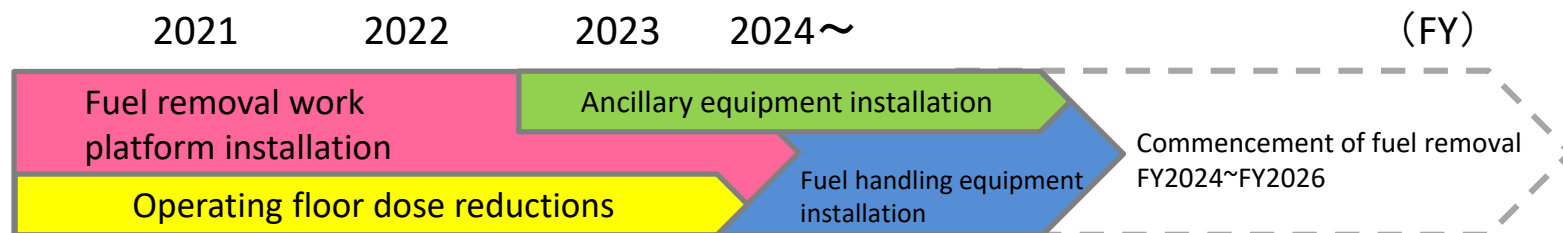
- Runway girder installation work completed on March 14, 2024.
- Continuing ancillary equipment installation in preparation for installing fuel handling equipment.

【Off-site】

- Materials brought on-site for runway girder installation was completed on February 7, 2025.

【Factory】

- Test operation of fuel handling equipment components underway in preparation to transport the equipment after the runway girder has been completed.



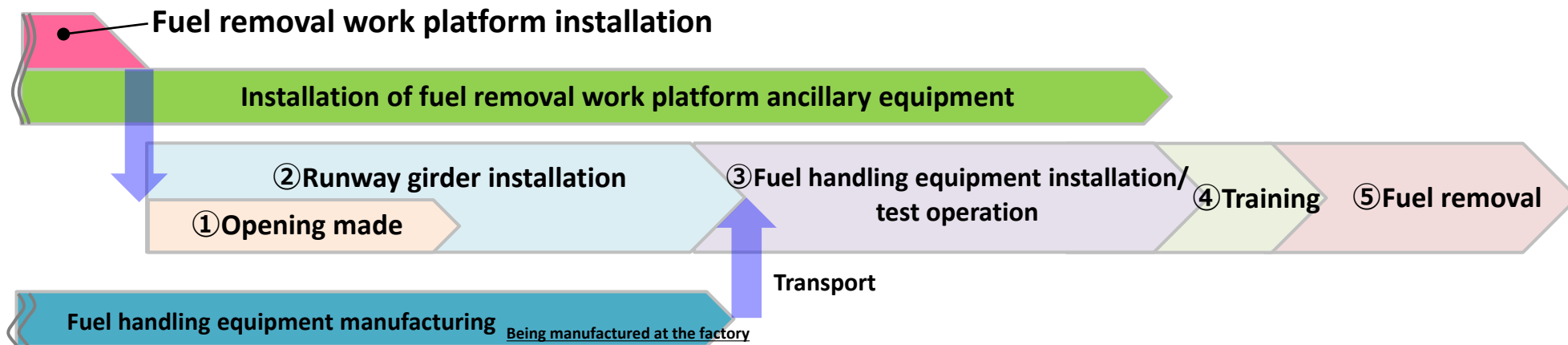
2. Steps taken when commencing fuel removal

FY2024

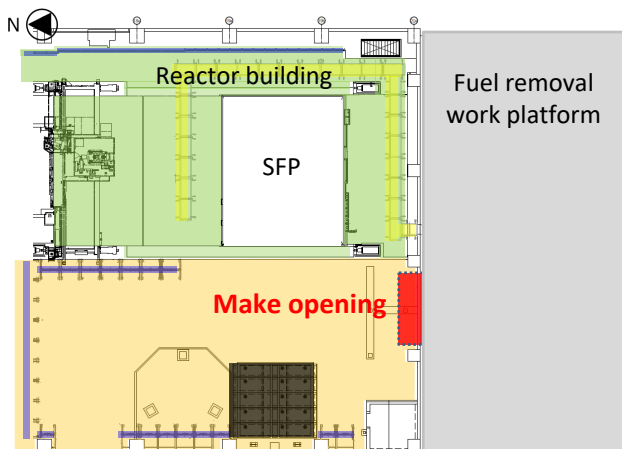
FY2025

FY2026

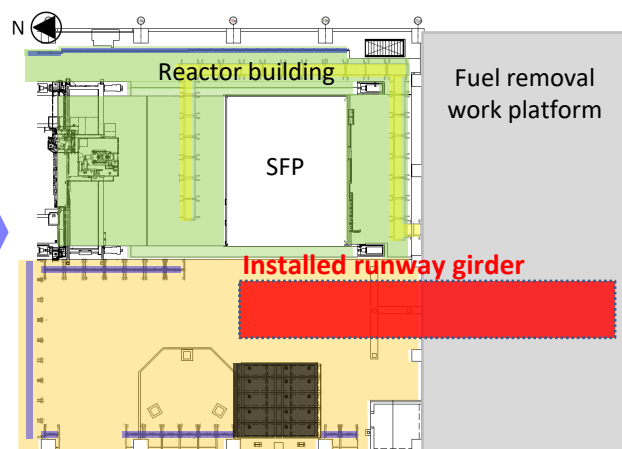
▼ Now



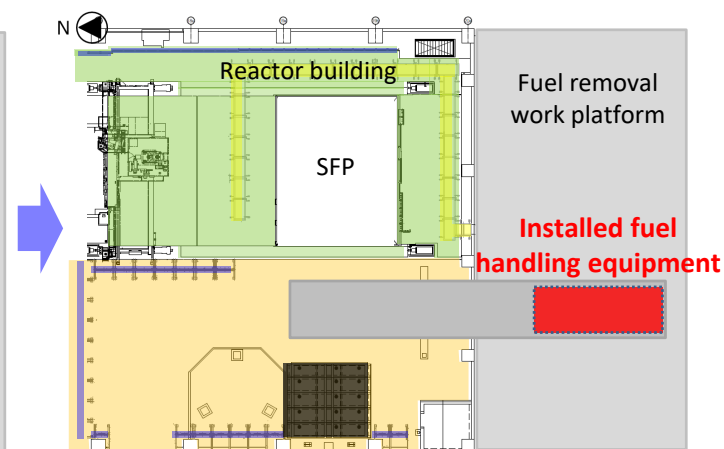
STEP① Make opening **Completion**



STEP② Installed runway girder **Completion**

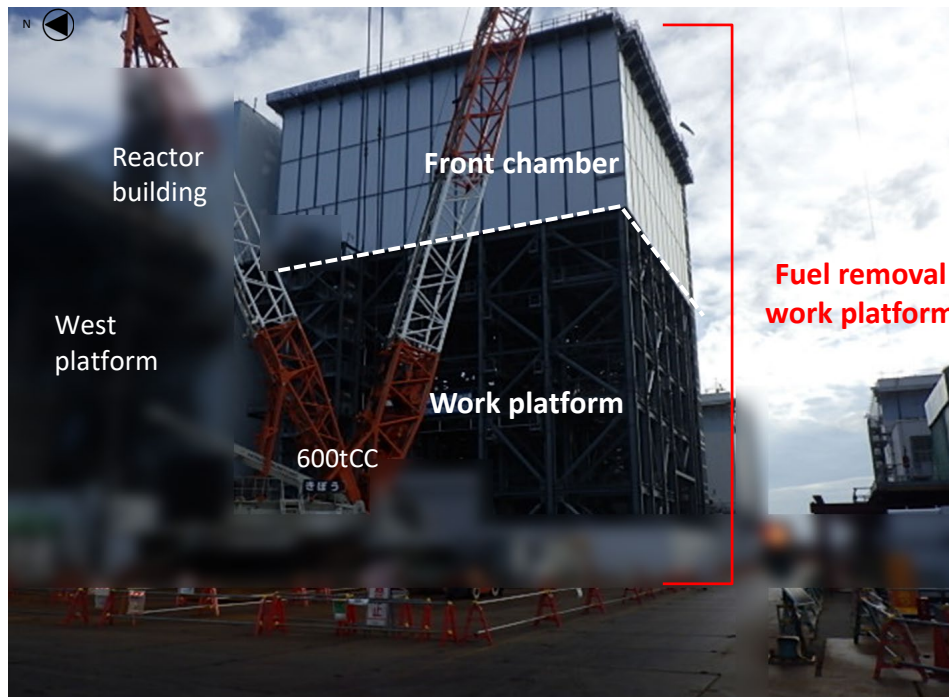


STEP③ Installed fuel handling equipment

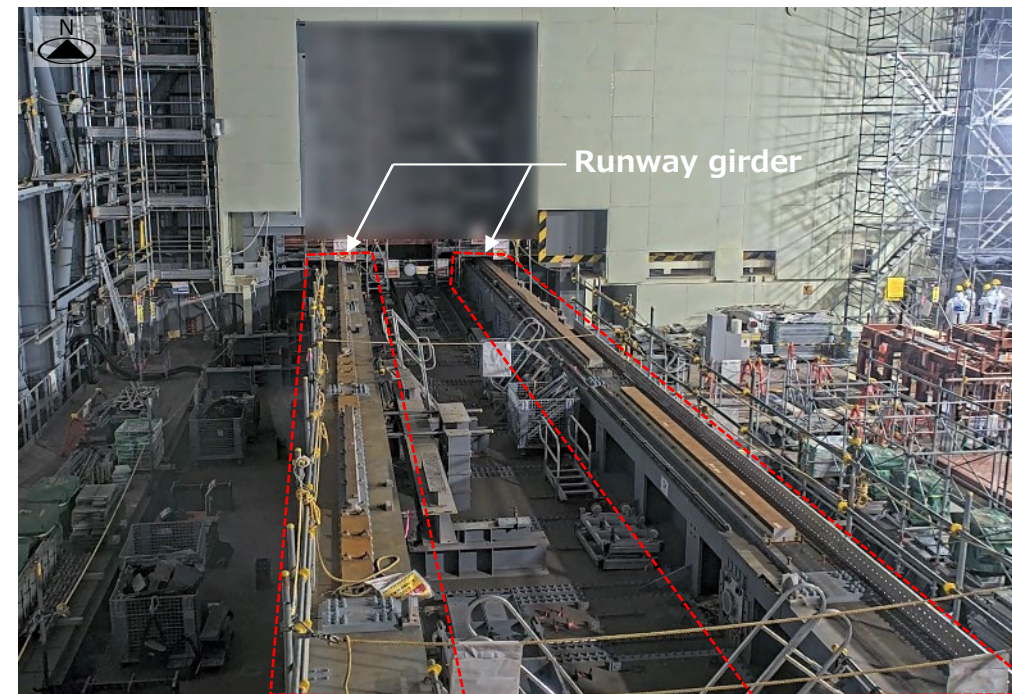


3. Progress of runway girder installation work

- Runway girder installation work completed on March 14, 2024.
- Going forward, in preparation to install the runway girder, a raised floor (double floor structure) around the runway girder, which has not been built yet, will be installed, and a steel frame for supporting a contamination prevention house (like a bellows tent) for preventing the spread of contamination to the work platform when bringing fuel handling equipment in and out of the reactor building, will be installed.



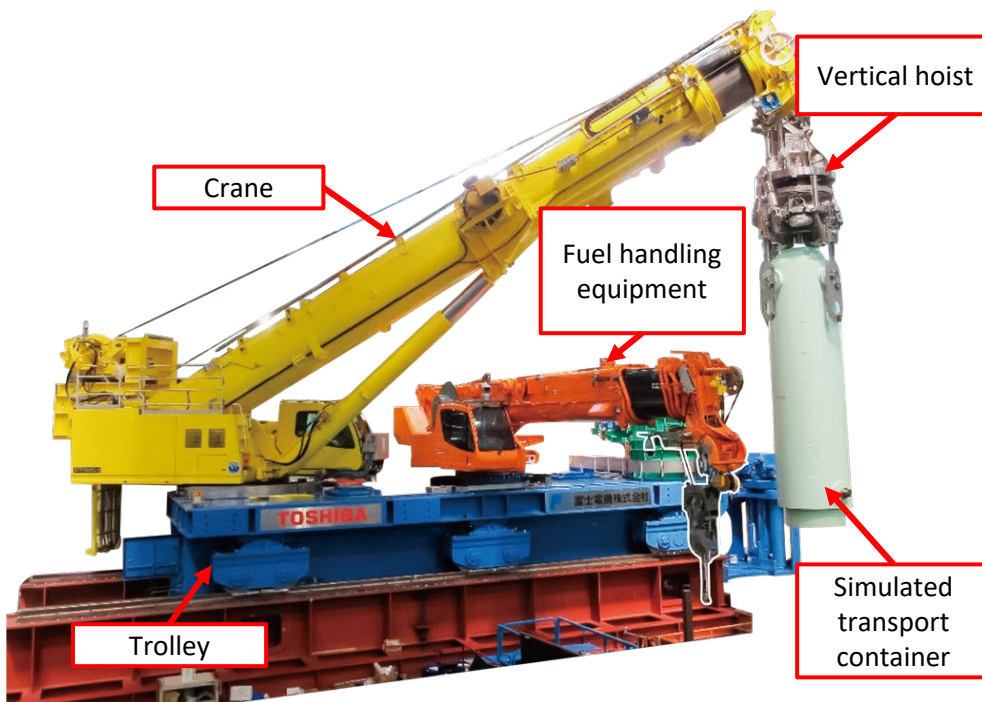
Picture of the work site (Southwest side)
(Photographed on October 25, 2024)



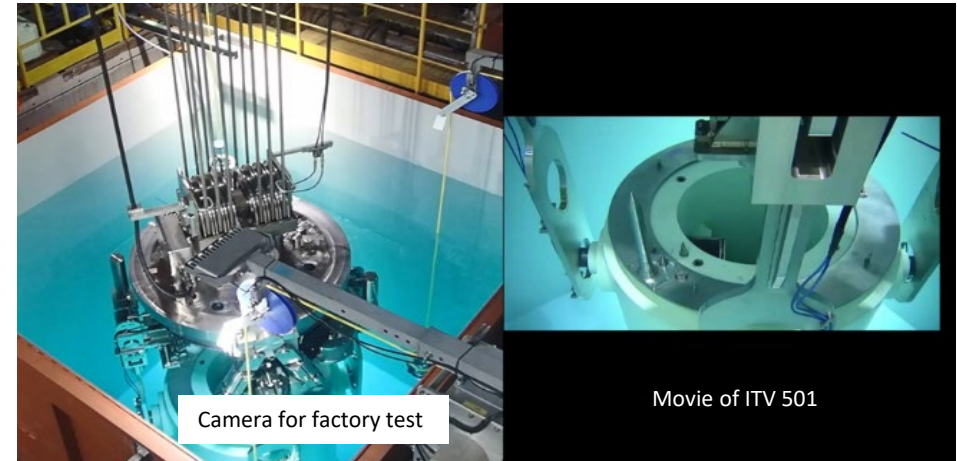
Runway girder installation
(Photographed on March 19, 2025)

4. Status of fuel handling equipment manufacturing

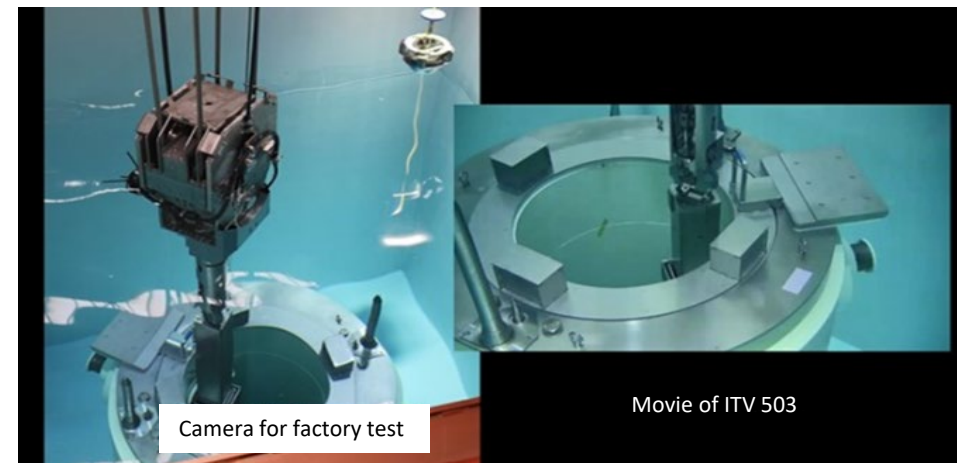
- Final tests will be implemented prior to shipping from the factory in April 2025.
- After the final tests, the equipment will be covered in preparation for marine transportation at the end of May 2025.



Fuel handling equipment test operation



Underwater operation test (mock-up of transportation box)



Underwater operation test (mock-up of fuel)

5. Spent fuel pool cleansing device installation

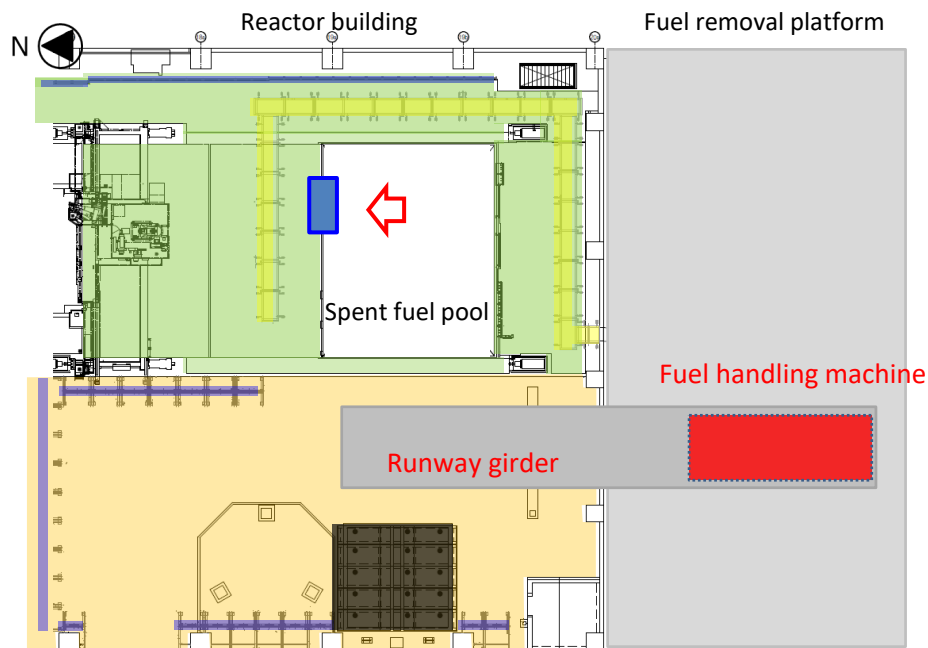
- In April 2025, purification equipment will be installed in the spent fuel pool in order to improve visibility for fuel removal.
- Remote operation heavy machinery will be used to bring the components near the pool after which workers will install the equipment.

Air dose rate of primary work area: Approx. 4mSv/h

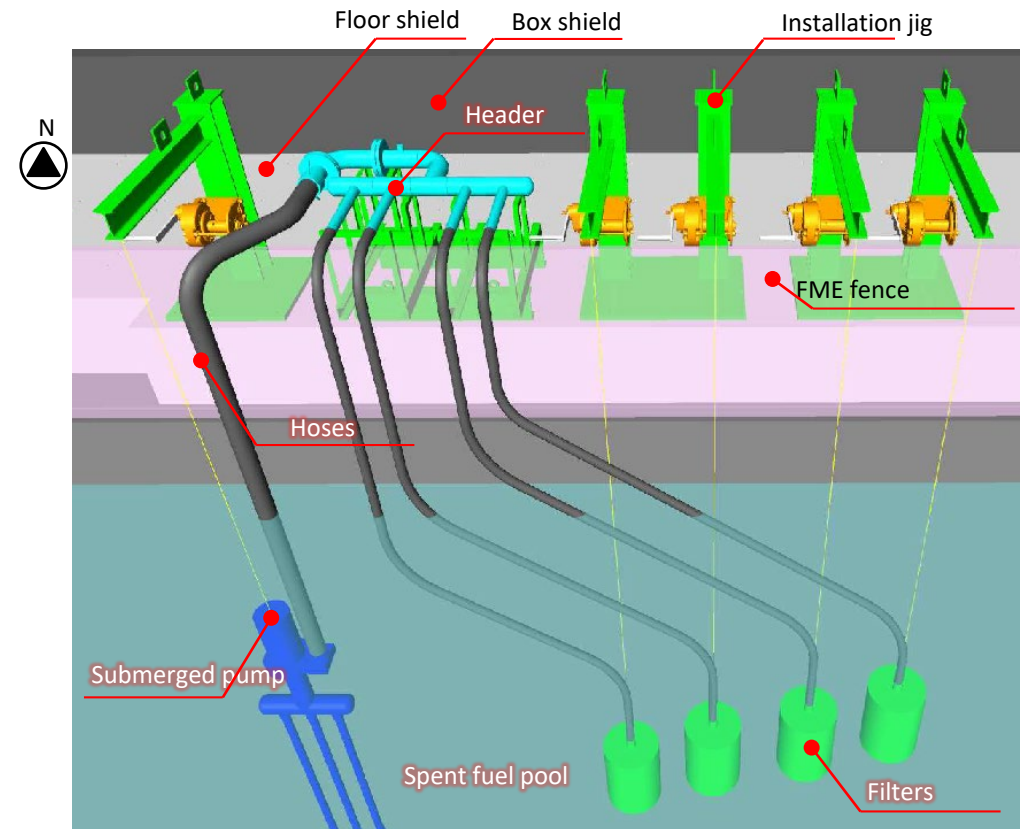
Work on the operating floor: Approx. 15 min./person/day x 6 days

Component specifications

- Submerged pump flow: 45m³/h
- Filter performance: 3~5μm



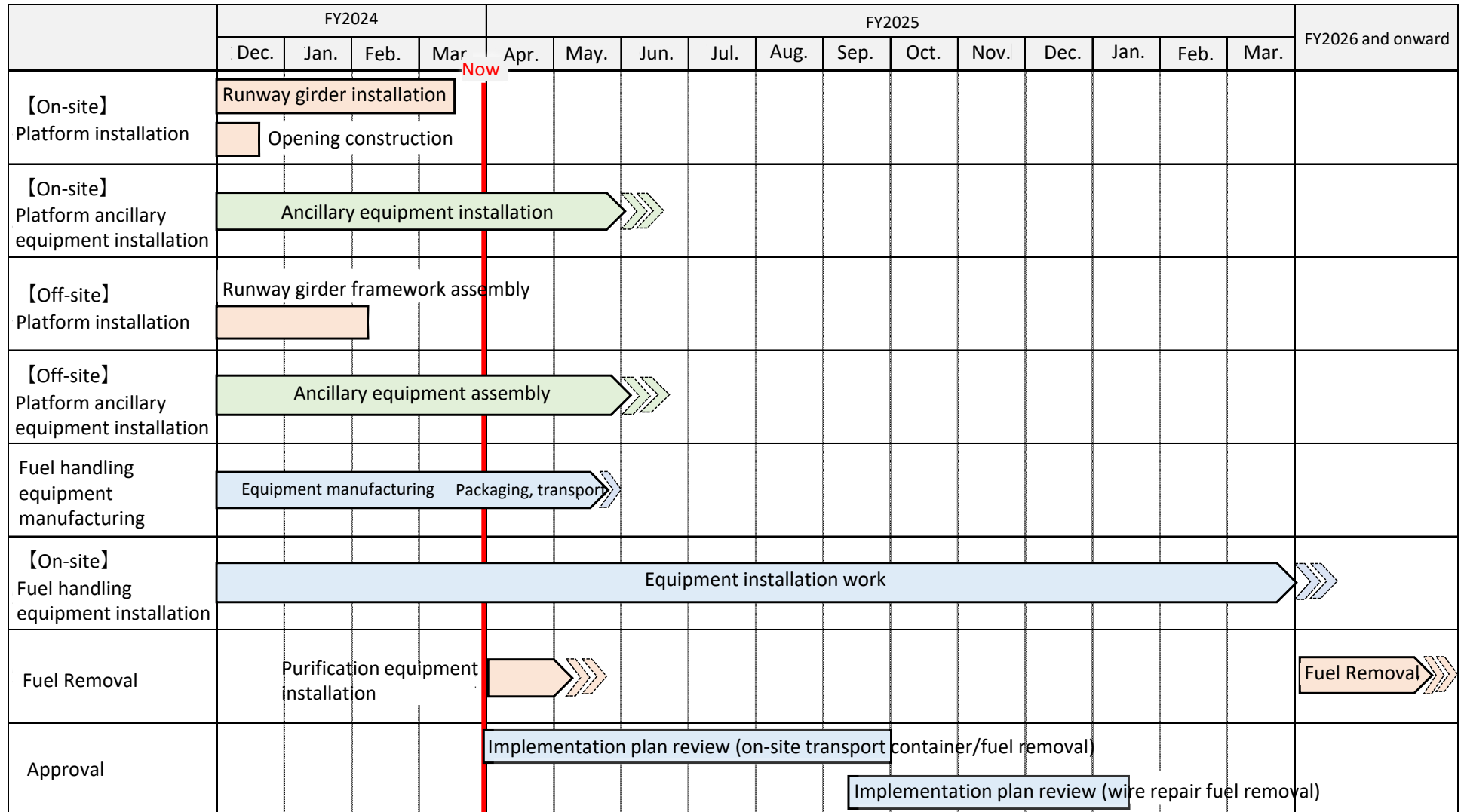
Planned installation location of purification equipment



Concept drawing of purification equipment as seen from this side

6. Schedule

- Progress is being made according to plan in preparation for the commencement of fuel removal by FY2026.
- We will continue to remain vigilant and prioritize safety.



※Changes may be made in accordance with schedule progress

※The line graph includes preparation/cleanup work periods