Commencement of preparations to dismantle the Unit 3/4 exhaust

August 27, 2026

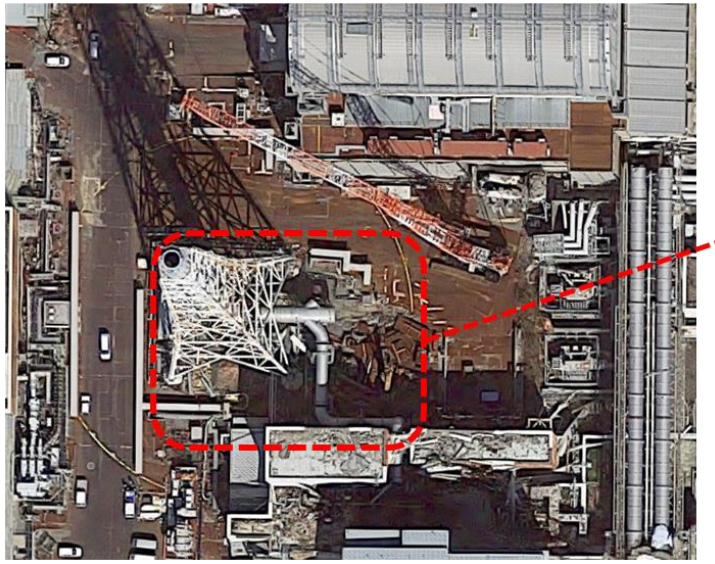
Tokyo Electric Power Company Holdings, Inc.

1-1. Unit 3/4 exhaust stack dismantling plan summary

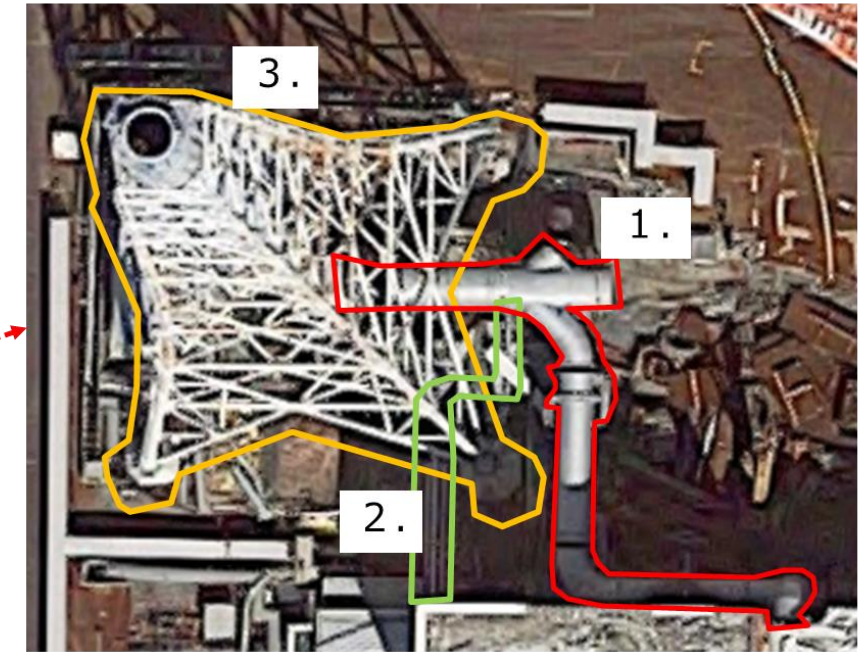
- The Unit 3/4 exhaust stack will be dismantled and removed in order to make space for fuel debris retrieval facilities. Exhaust stack dismantling preparations will begin at the end of September 2026.

- The scope of dismantling
  - Above ground portion of the Unit 3/4 exhaust stack and SGTS pipes located within.
  - Main exhaust ducts located between the Unit 3/4 exhaust stack and the Unit 4 turbine building, and above ground SGTS pipes.

1. Unit 3/4 main exhaust duct: The ducts on the Unit 3 side have already been removed, so this pertains only to the Unit 4 side
2. SGTS pipes: Between Unit 4 R/B and Unit 3/4 exhaust stack
3. Unit 3/4 exhaust stack



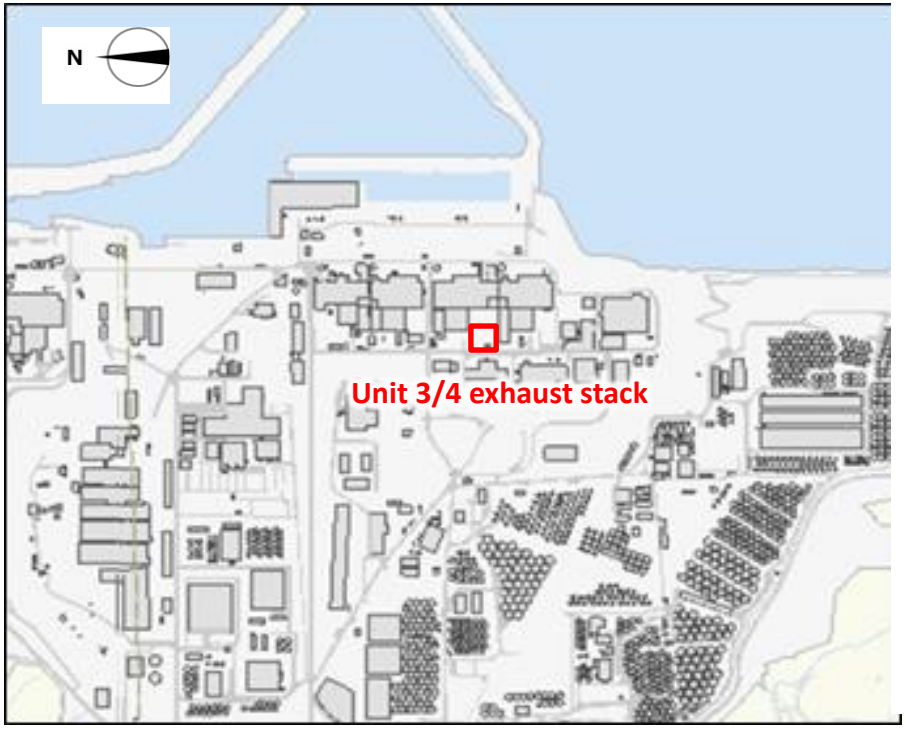
Target area



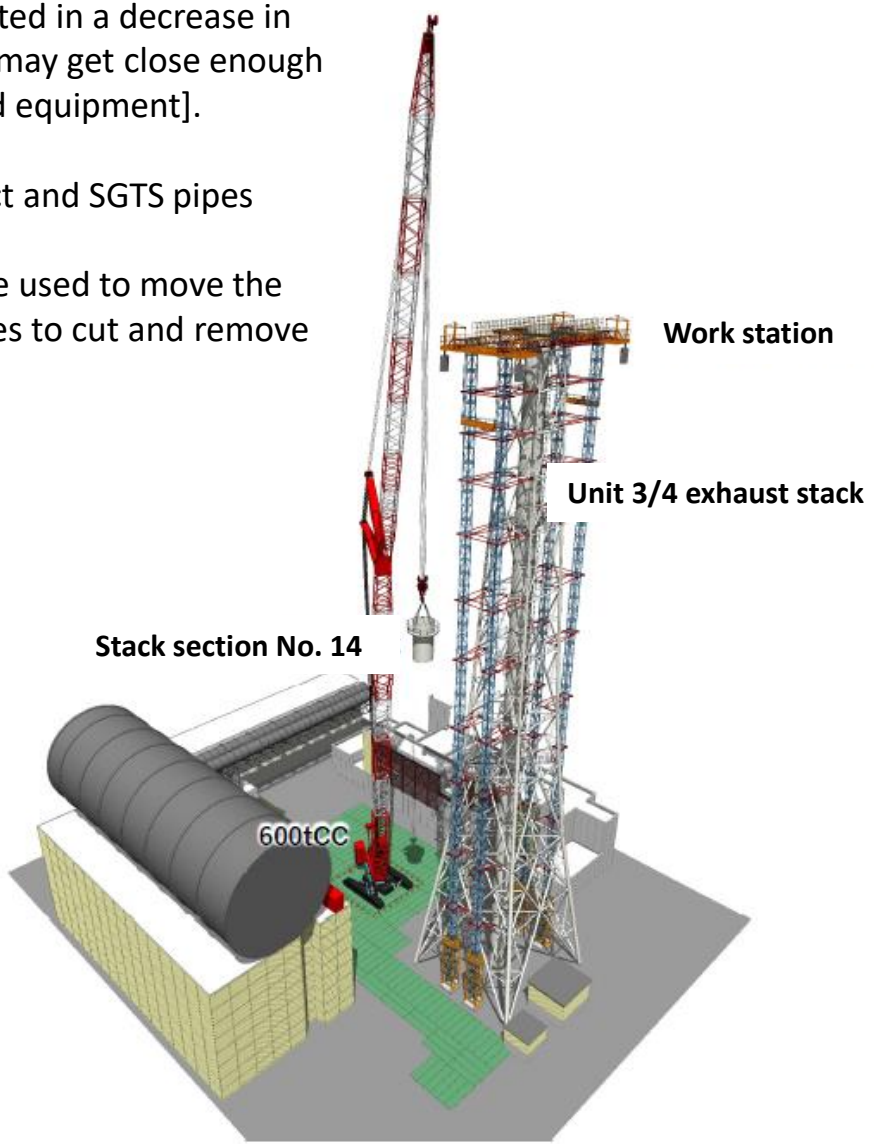
Structures targeted for removal

1-2. Unit 3/4 exhaust stack dismantling plan summary

- Improvements to the surrounding environments have resulted in a decrease in atmospheric dose, so it has been determined that workers may get close enough to the stack to cut it [without the need for remote operated equipment].
- Height: GL+120.00m
- Total weight: Approx. 415t (Including the main exhaust duct and SGTS pipes targeted for removal)
- Method: Scaffolding that can be raised and lowered shall be used to move the "**work station**," and workers will use **oxy-fuel cutting** torches to cut and remove the structures.



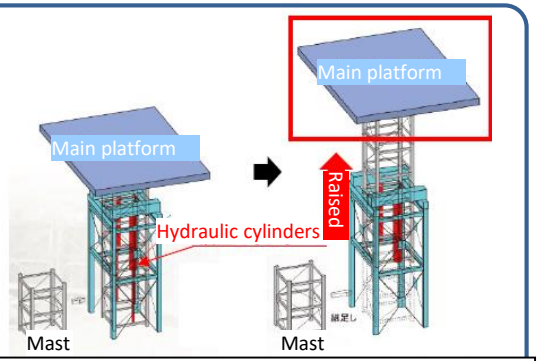
【Location on site】



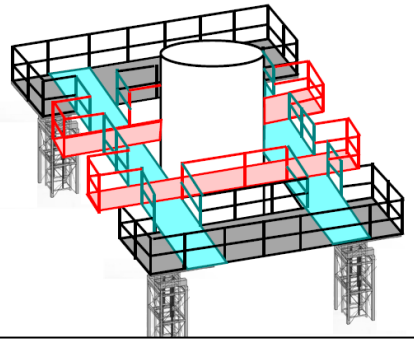
【Concept diagram of exhaust stack dismantling 】

2. Employed method

■ A hydraulic device will be used to raise and lower scaffolding thereby enabling workers to use oxy-fuel cutting torches to cut and remove the structure

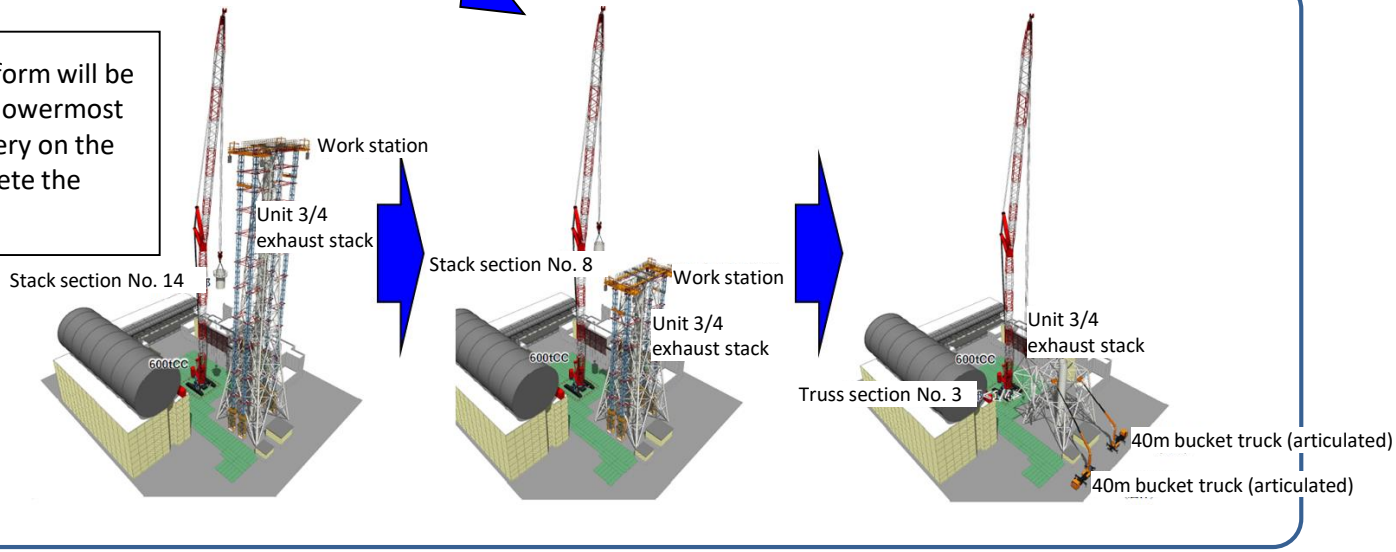


A main platform that can be raised and lowered using a hydraulic cylinder will be installed around the exhaust stack



A work station (scaffolding) will be installed above the main platform in accordance with the location of cutting

As work progresses the main platform will be jacked down until it reaches the lowermost point after which heavy machinery on the ground will be used to complete the dismantling

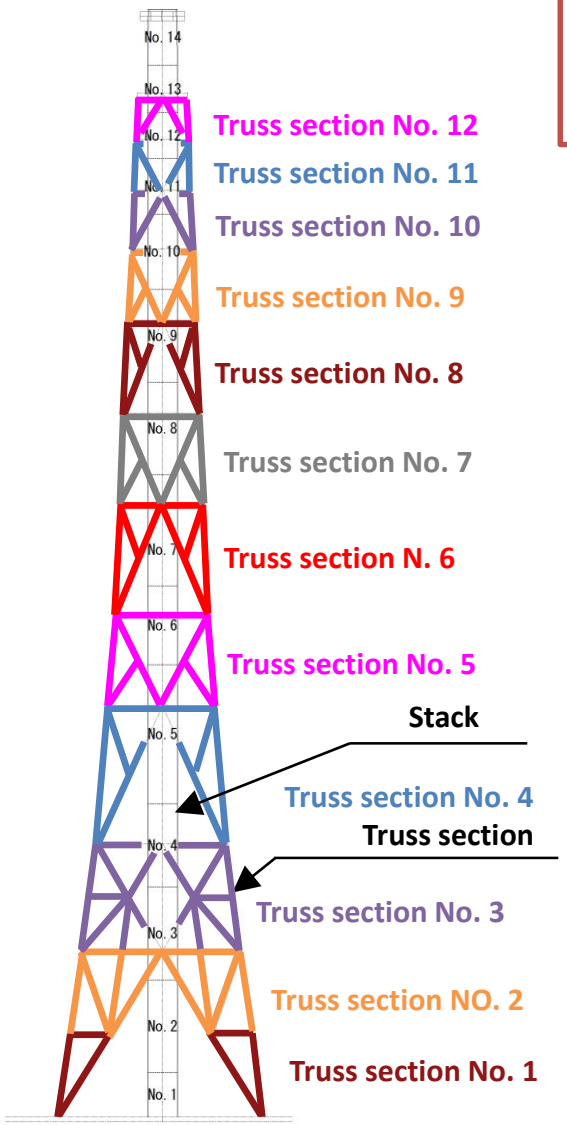


3. Dismantling process

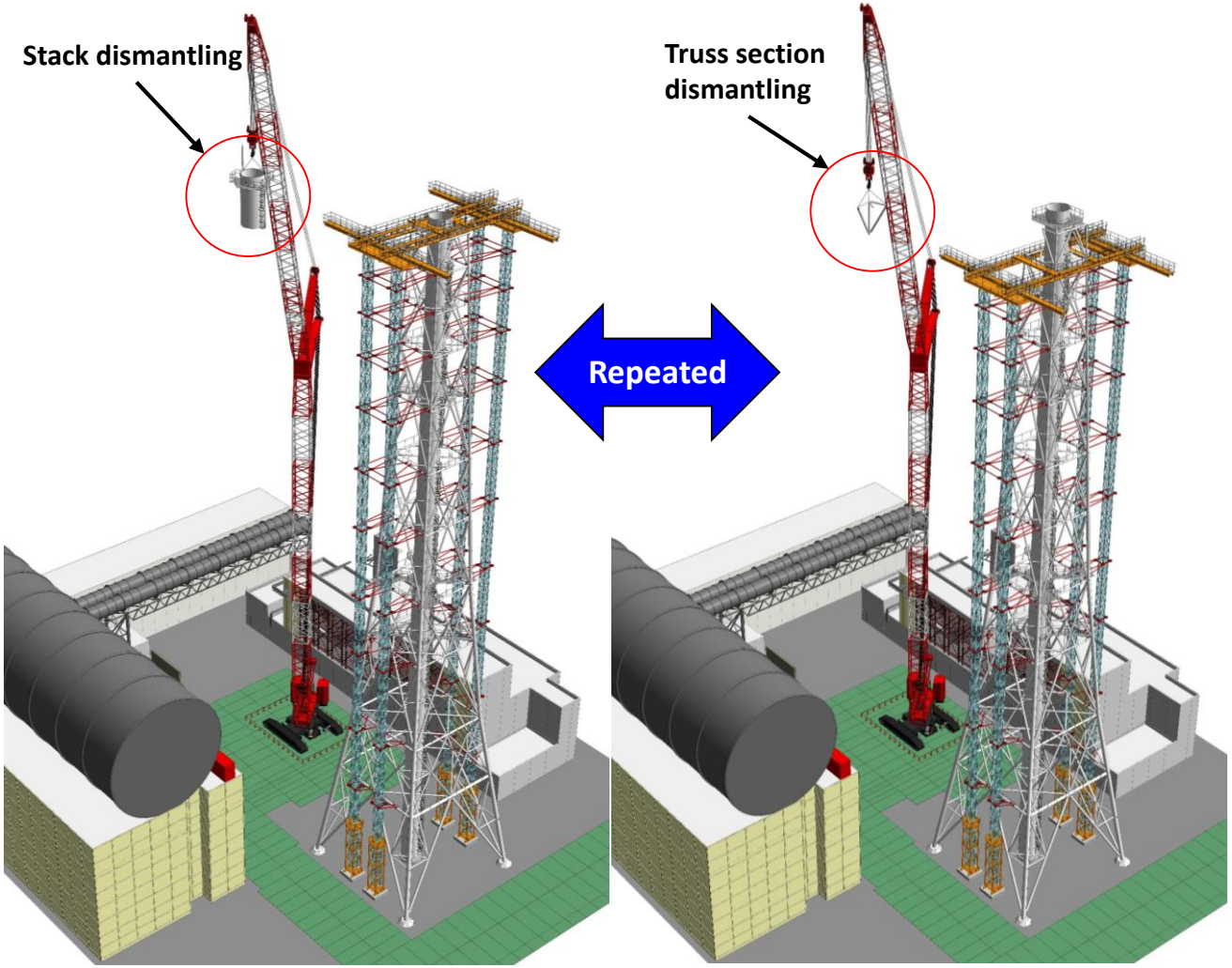
The process of “Exhaust stack dismantling→Truss section dismantling” will be repeated from the top down

Stack: 14 sections (No.1 - No.14)

Truss section: 12 sections (1 - 12)



Unit 3/4 exhaust stack



4. Exhaust stack dismantling safety measures

TEPCO

【PPE】

- Ｙ equipment
- Falling prevention gear (full harness, waist belt-type) 【Aerial work】
- Leather gloves 【Hoisting and flame work】

【Dust dispersion prevention measures】

- Vacuums will be installed in the vicinity to suck up radioactive substances that may be affixed to the inside of the structure when it is being cut.
- Dust monitors will be installed in the vicinity, such as on the work station, to check dispersion status.

【Criteria for suspending work】 If weather conditions are predicted to be poor

- Strong winds: Sustained (10 min.) average wind speed of over 10m/s in above ground areas
- Heavy rain: Heavy rains in excess of 50mm/h or if it’s determined that work is too dangerous to carry out because of rainfall

【Criteria for suspending work】 In the event of an earthquake or if tsunami warnings or alarms are issued

- Earthquake: If an earthquake with a seismic intensity of 3 or higher occurs
- Tsunami: If a tsunami warning or alarm is issued
- Miscellaneous: If it is determined that work cannot continue safely due to a quick worsening of weather conditions

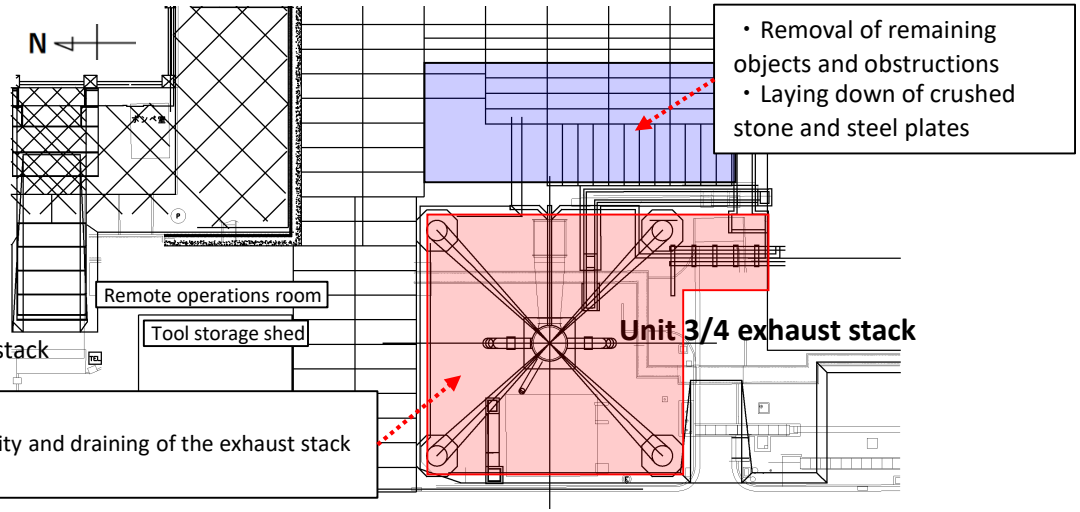
5-1. Commencement of preparations

Preparations for the dismantling of the Unit 3/4 exhaust stack

■ The work yard will be cleaned up in preparation for dismantling

- ✓ Deweeding
  The area in the vicinity of the exhaust stack will be deweeded
- ✓ Removal of remaining objects and obstructions
  Steel lying in the vicinity of the exhaust stack and temporary walkways, etc. that will obstruct dismantling work will be removed
- ✓ Covering equipment in the vicinity and draining the exhaust stack
  Equipment and pipes in the vicinity of the exhaust stack will be covered, and the exhaust stack will be drained or water
- ✓ Laying down crushed stone and steel plates
  Crushed stone and steel plates will be laid down in the work area around the exhaust stack
- ✓ Pouring shielding concrete
  Concrete will be poured and lead wool mats laid as dose countermeasures to shield workers from the ground surface in the vicinity of the exhaust

Weeds in the vicinity of the exhaust stack



Floor plan of the area around the Unit 3/4 exhaust stack

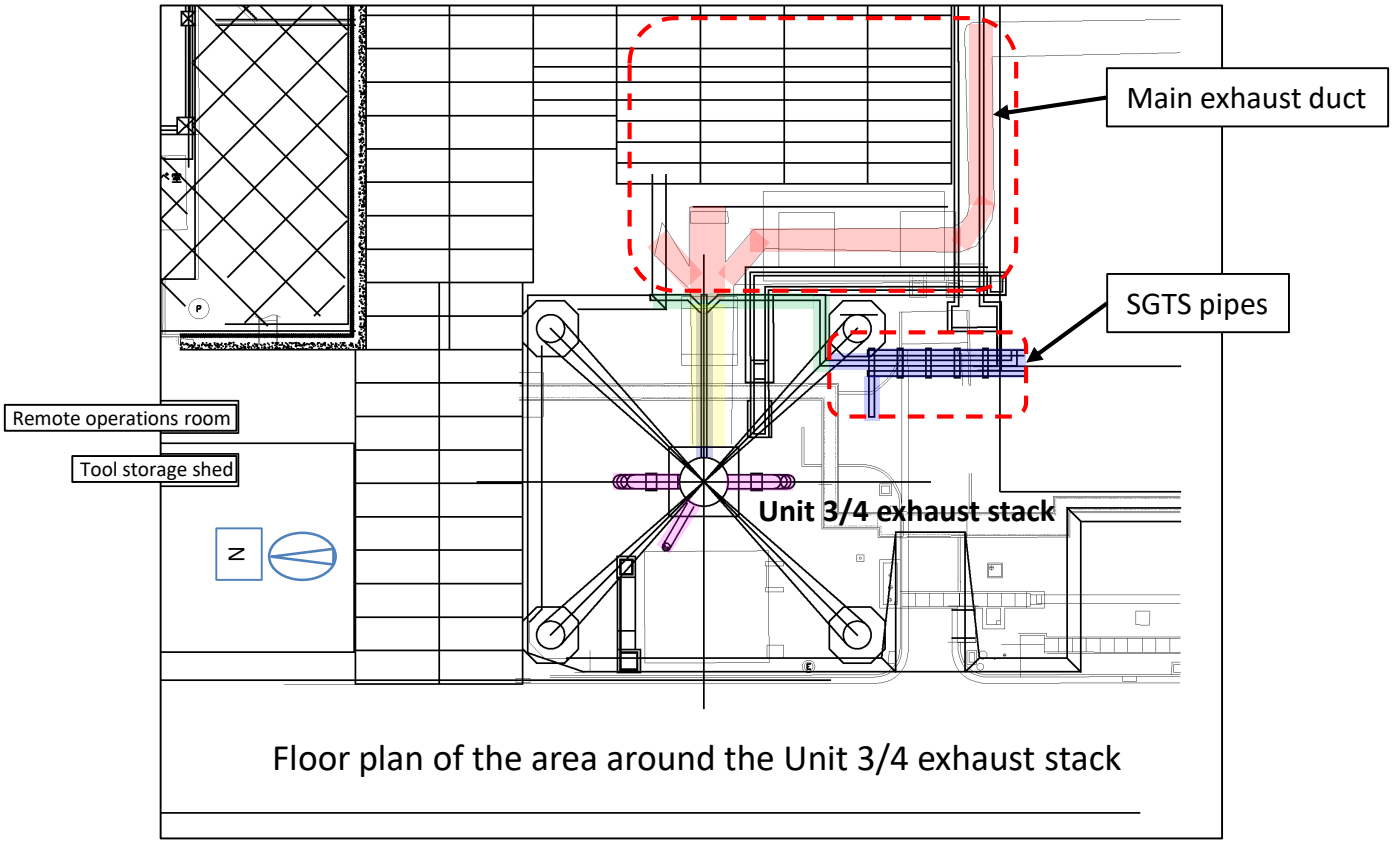
Remaining objects (H beams)

Remaining objects (rubble)

5-2. Commencement of preparations

Preparations for the dismantling of the Unit 3/4 exhaust stack

- Removal of the main exhaust duct and SGTS piping
  - ✓ Main exhaust duct removal (structures outside the truss)
  - ✓ SGTS pipe removal (outside the truss)



Floor plan of the area around the Unit 3/4 exhaust stack

6. Schedule

Work preparations and yard clean-up (Pouring of shielding concrete and laying of steel plates, etc.)

↓

Preparations
Removal of pipes in the vicinity (main exhaust duct and SGTS piping)

↓

WS foundation

↓

WS assembly

↓

Exhaust stack dismantling

↓

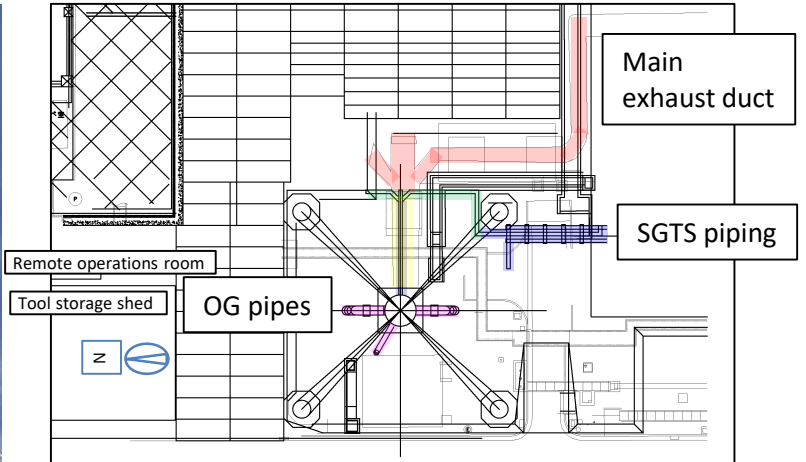
Clean-up

Dismantling workflow

※WS: Work station

Schedule	FY2026			FY2027				FY2028			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preparations											
WS foundation and assembly											
Exhaust stack dismantling											
Clean-up											

Exhaust stack (photographed on January 23, 2026)



Pipes in the vicinity to be removed in conjunction with exhaust stack dismantling
(Main exhaust duct and SGTS piping, etc.)

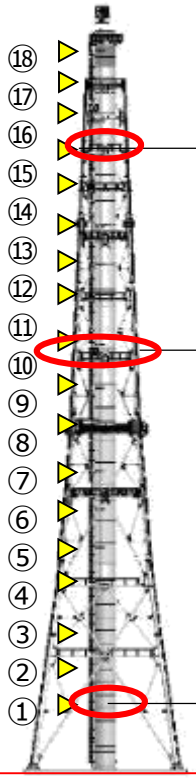
Reference materials

[Reference] Stack internal dose survey

- Stack internal dose measured on June 16, 2024: Approx. 8 - 76μSv/h
  Dose rates decreased the higher up on the exhaust stack the measurements were taken.
- Stack internal survey results confirmed that there is steel framing approximately 64 meters from the ground that is not shown on the schematics, but this should not hinder with removal work.

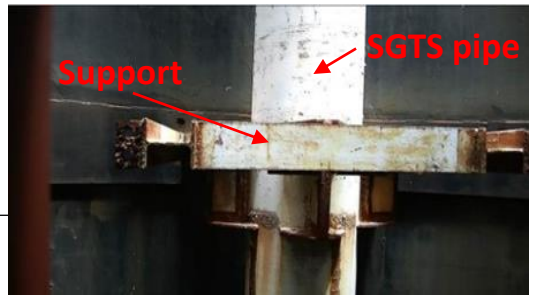
Measurement location (pipe support location)	Height from the ground [m]	Dose rate [μSv/h]
⑱	117.0	9.2
⑰	111.0	8.4
⑯	105.4	9.7
⑮	99.8	12
⑭	94.2	11.9
⑬	88.3	15.6
⑫	82.3	17.1
⑪	76.4	16.3
⑩	69.2	21
⑨	62.0	23
⑧	54.8	23.9
⑦	48.6	30.9
⑥	42.4	35.1
⑤	36.2	39.6
④	30.0	39.5
③	22.8	54
②	15.6	62.3
①	14.0	75.7

Stack internal dose measurements

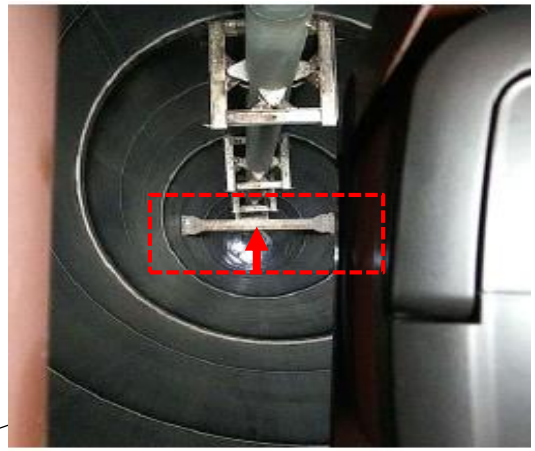


▷ Stack internal measurement point

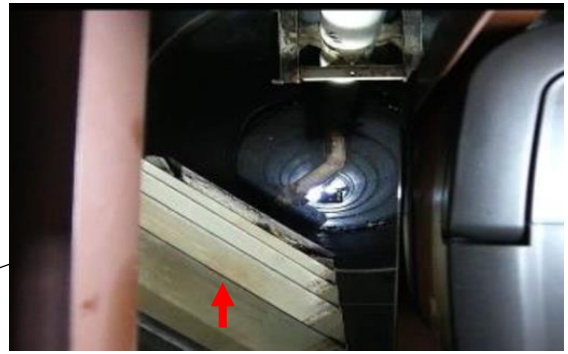
Photographs from inside the stack



Pipe support (shown from the side)



Steel frame inside the stack (shown from above)



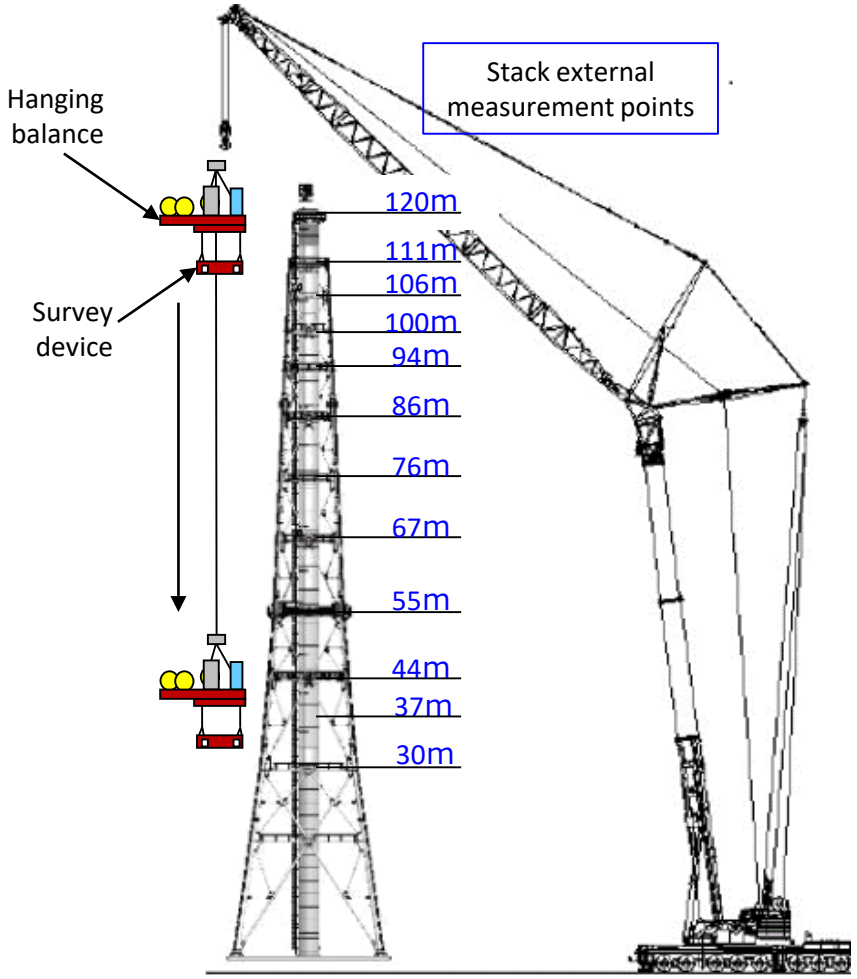
Main exhaust duct joint (shown from above)

[Reference] Exhaust stack external dose survey summary

■ Stack external dose measured on June 19, 2024: Approx. 20 - 80μSv/h
As with the inside of the stack, dose rates decreased the higher up on the exhaust stack measurements were taken.

Measurement height [m]	West area dose rate [μSv/h]		North area dose rate [μSv/h]	
	Distance from the surface of the stack		Distance from the surface of the stack	
	7m	9m	7m	9m
120	22.2	20.3	22.4	22.5
111	22.9	21.7	23.0	24.0
106	24.5	22.8	25.0	25.4
100	24.0	22.0	26.7	26.6
94	24.4	25.4	28.6	29.8
86	26.5	25.7	29.8	31.7
76	30.5	30.5	33.5	34.3
67	34.2	31.8	37.6	38.7
55	42.2	41.4	44.7	45.3
44	54.6	50.2	56.5	55.1
37	62.2	56.7	62.5	63.5
30	73.9	71.4	77.1	79.6

Stack external dose measurements



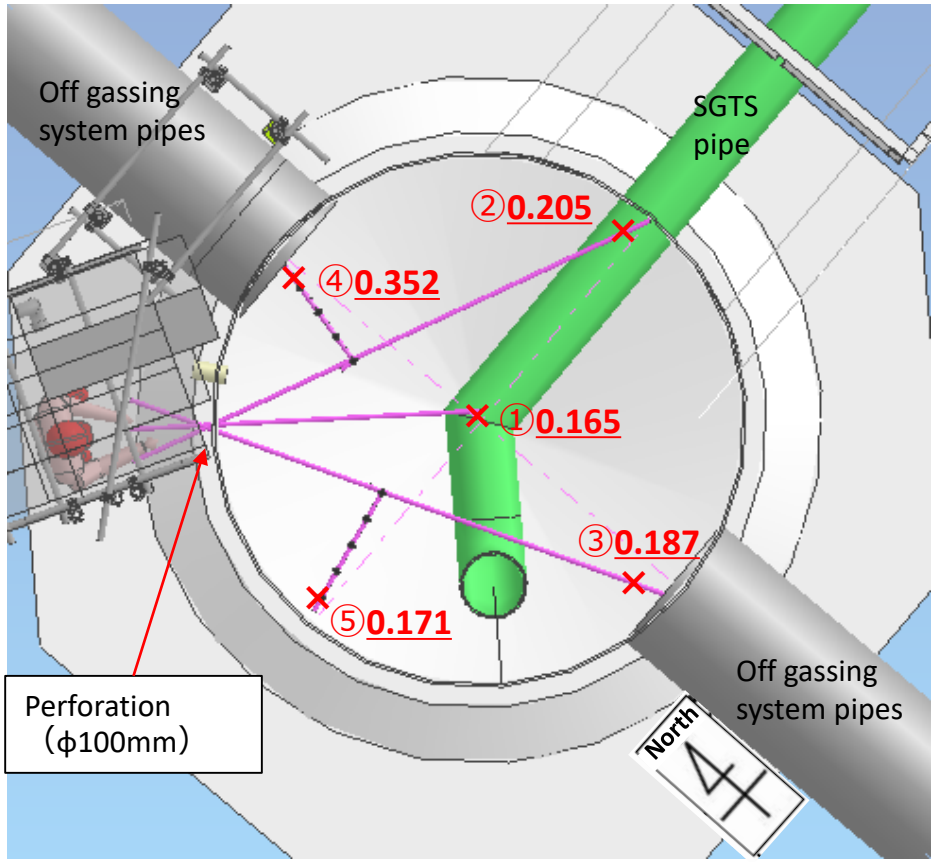
Stack external measurements

[Reference] Dose measurement results (from inside the Unit 3/4 exhaust)

■ Internal dose measurements were between approx. 0.165 - 0.352mSv/h (5 locations)

< Dose measurement results >

×： Dose measurement location



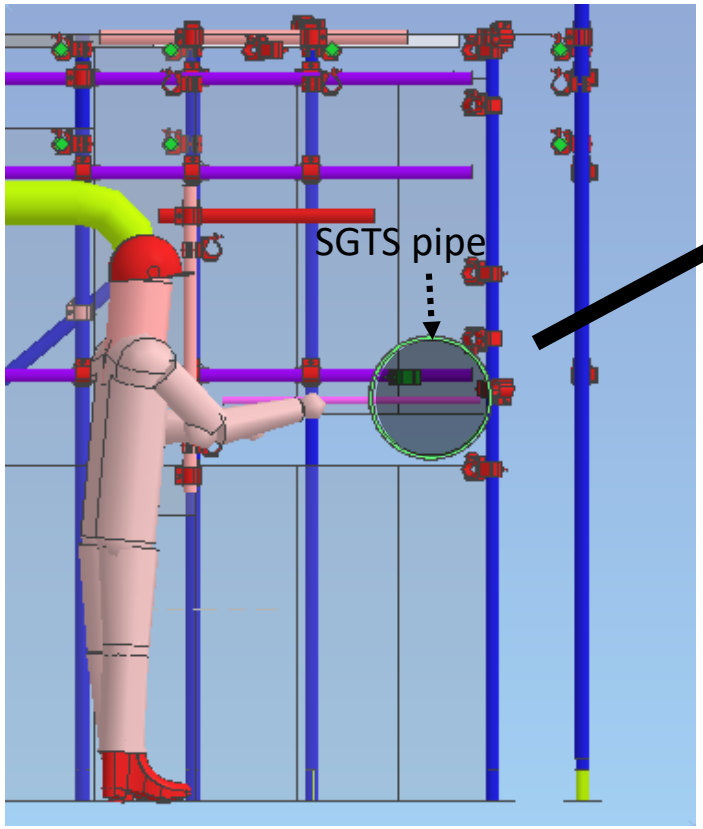
① Center of stack	0.165mSv/h
② 200mm from the inside surface of the stack	0.205mSv/h
③ 200mm from the inside surface of the stack	0.187mSv/h
④ 200mm from the inside surface of the stack	0.352mSv/h
⑤ 200mm from the inside surface of the stack	0.171mSv/h

- Measurement date: June 14, 2023
- Measurement instrument: Underwater Survey meter (GMWS)

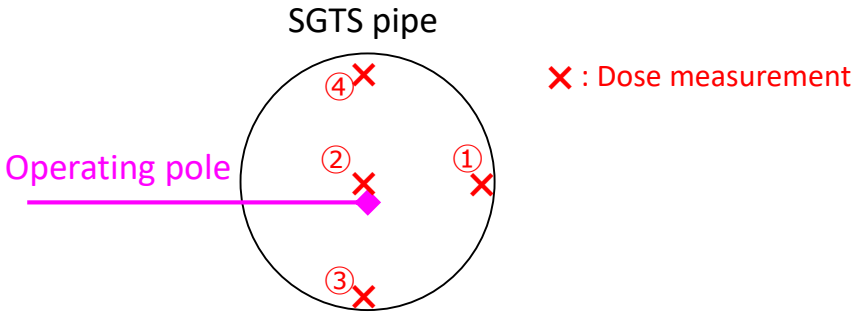
[Reference] Dose measurement results (from inside the Unit 3/4 exhaust)

■ Dose rates inside the SGTS pipes were found to be between approx. 0.336 - 0.650mSv/h (4 locations)

< Dose measurement results >



< Enlargement of cross-section >



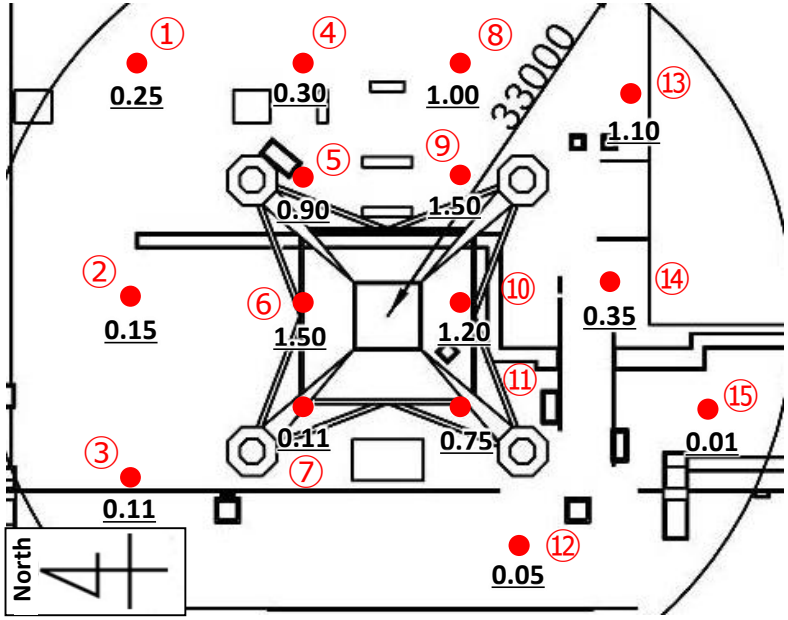
① Surface of inside wall of SGTS pipe directly in front of perforation 0.425mSv/h
② Center of SGTS pipe (inside) 0.425mSv/h
③ Bottom of internal surface of SGTS pipe 0.650mSv/h
④ Top of internal surface of SGTS pipe 0.336mSv/h

- Measurement date: June 23, 2023
- Measurement instrument: Underwater Survey meter （GMWS）

[Reference] Dose measurement results (above ground in the vicinity of the Unit 3/4 exhaust stack)

- Doses above ground in the vicinity of the exhaust stack were found to be approximately 0.01 - 1.50 mSv/h (15 locations).
- Since dose distribution did not decrease in a radial pattern from the stack at the center, and tend to be relatively higher north and south of the exhaust stack, **it is assumed that measurements were impacted not from the exhaust stack, but rather from doses on the ground.**

< Dose measurement locations in the vicinity of the Unit 3/4 exhaust stack >



Measurement location	Dose rate (mSv/h)	Measurement location	Dose rate (mSv/h)
①	0.25	⑨	1.50
②	0.15	⑩	1.20
③	0.11	⑪	0.75
④	0.30	⑫	0.05
⑤	0.90	⑬	1.10
⑥	1.50	⑭	0.35
⑦	0.60	⑮	0.01
⑧	1.00	Average	0.65

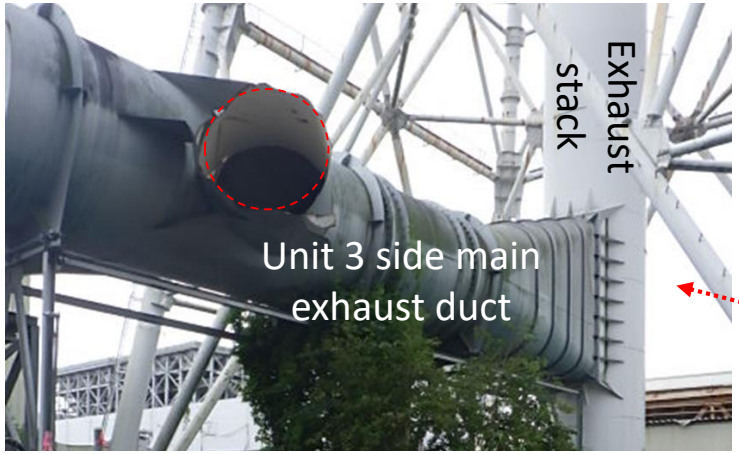
・Measurement date: October 12, 2022

・Measurement Instrument: Ion chamber survey meter for low doses (ICWBL)

[Reference] The possibility of hydrogen accumulation

- Portions of the Unit 3/4 main exhaust duct and SGTS piping were removed immediately after the disaster because they interfered with Unit 3 reactor building cover construction, so they are open.
- Since there are openings, it is not possible for hydrogen to have accumulated inside the exhaust stack or the SGTS piping.

< Locations where parts of the Unit 3/4 main exhaust duct and SGTS piping have been removed >



※ SGTS piping on the Unit 3 side were cut and removed at locations that were buried