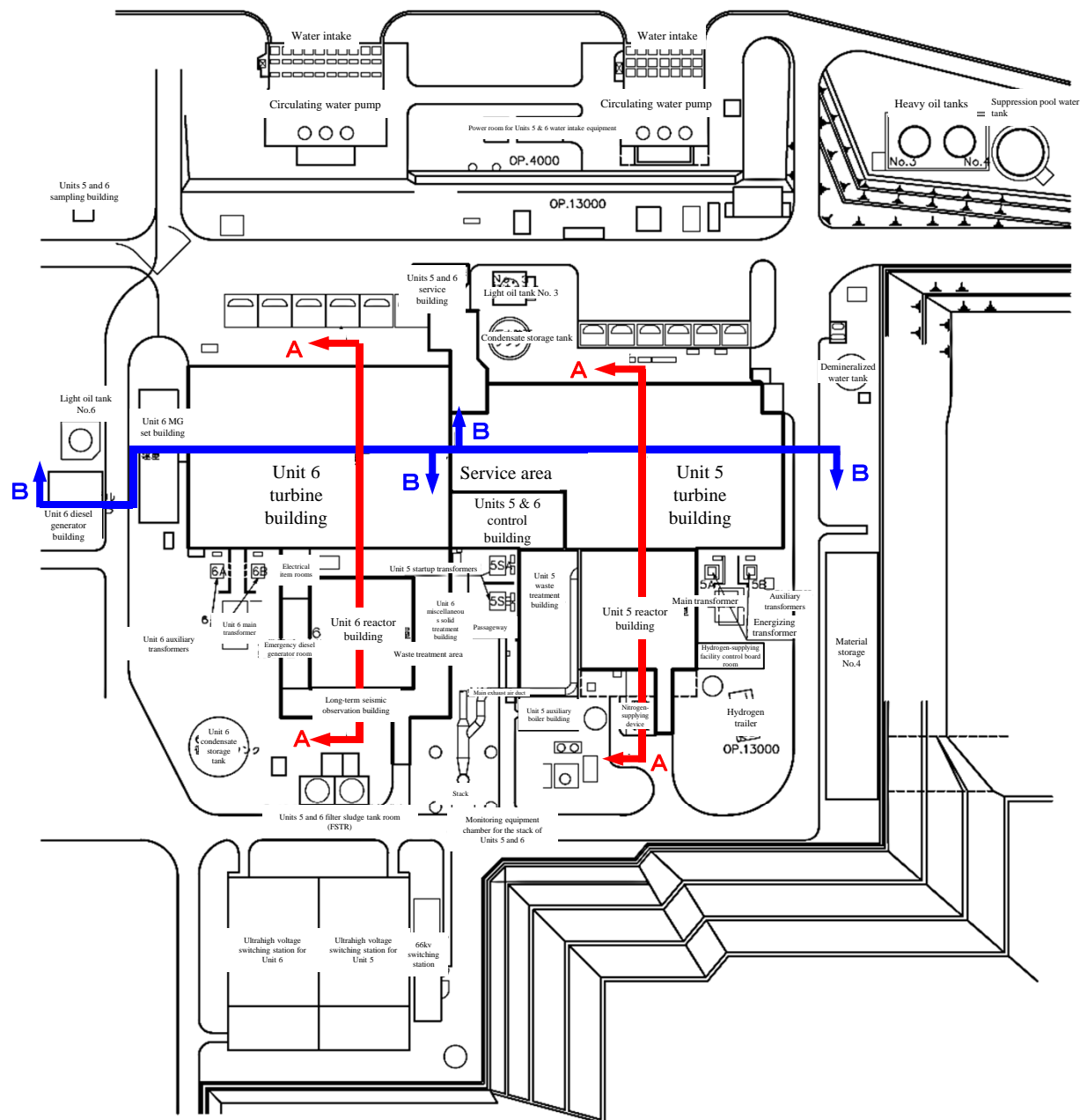


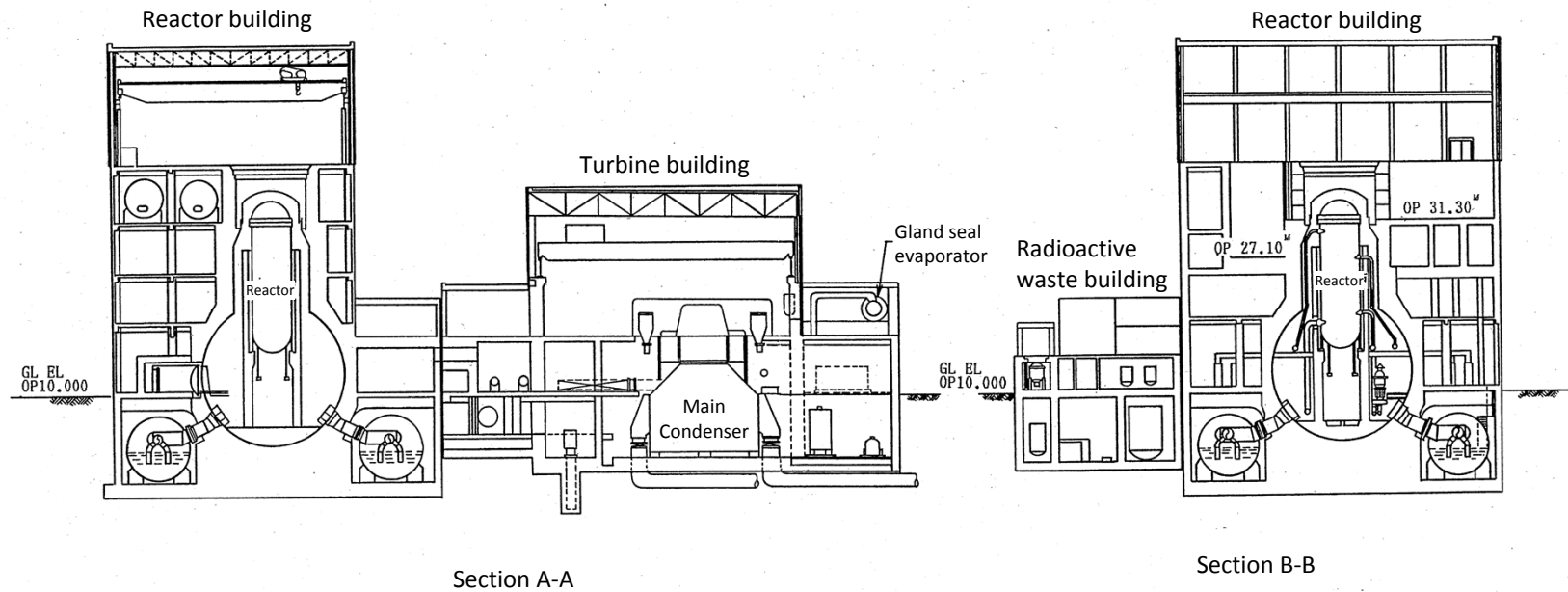
Sectional lines are referred to from the preparation of sectional views of the reactor building and other facilities at Units 1 to 4 of the Fukushima Dai-ichi NPS

Based on data and documents by Tokyo Electric Power Company



Based on data and documents by Tokyo Electric Power Company

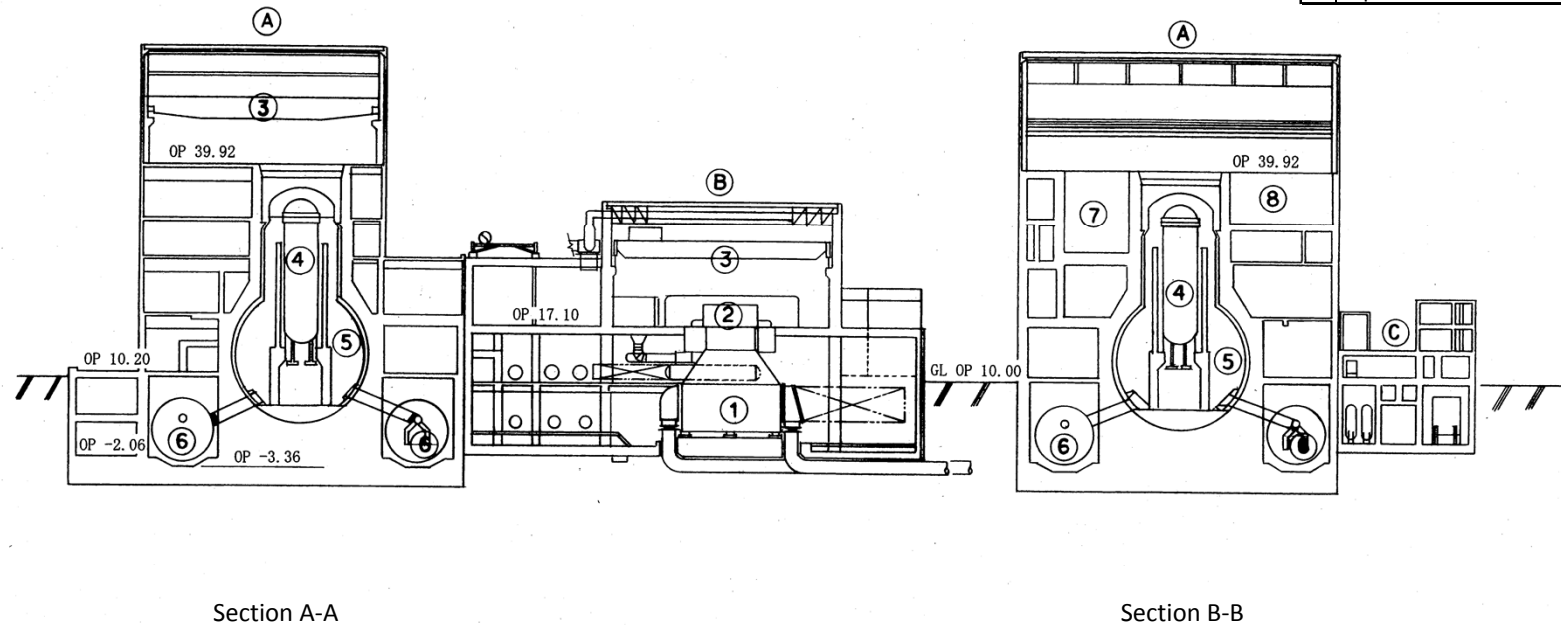
Sectional view of the reactor building and other facilities at Unit 1 of the Fukushima Dai-ichi NPS



Source: Tokyo Electric Power Company, "Fukushima Dai-ichi NPS: Application for reactor alternation license," April 2002

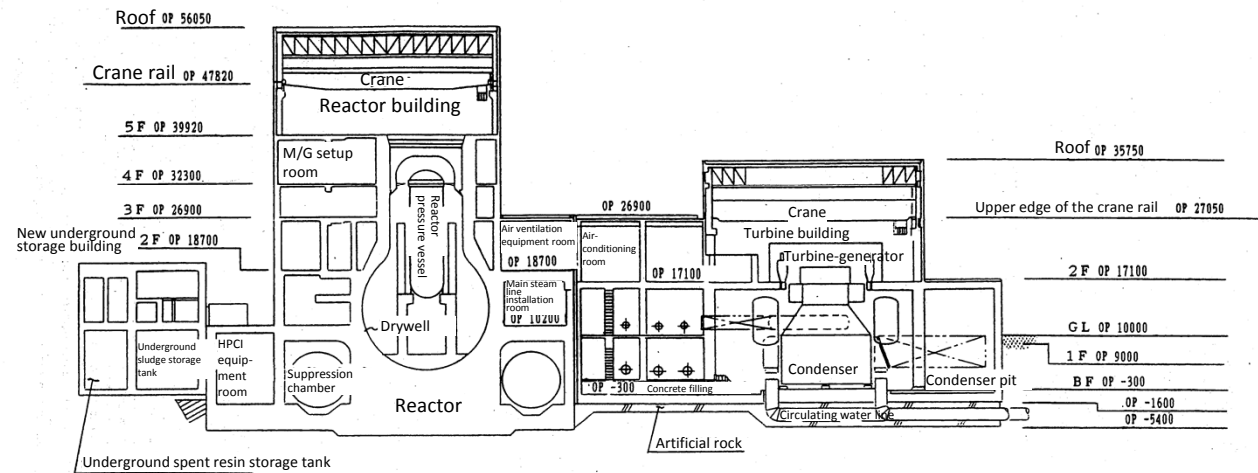
Sectional view of the reactor building and other facilities at Unit 2 of the Fukushima Dai-ichi NPS

A	Reactor building	1	Condenser
B	Turbine building	2	Turbine generator
C	Radioactive waste building	3	Crane
		4	Reactor
		5	Drywell
		6	Suppression chamber
		7	Fuel storage pool
		8	Storage pool for the steam separator and other equipment

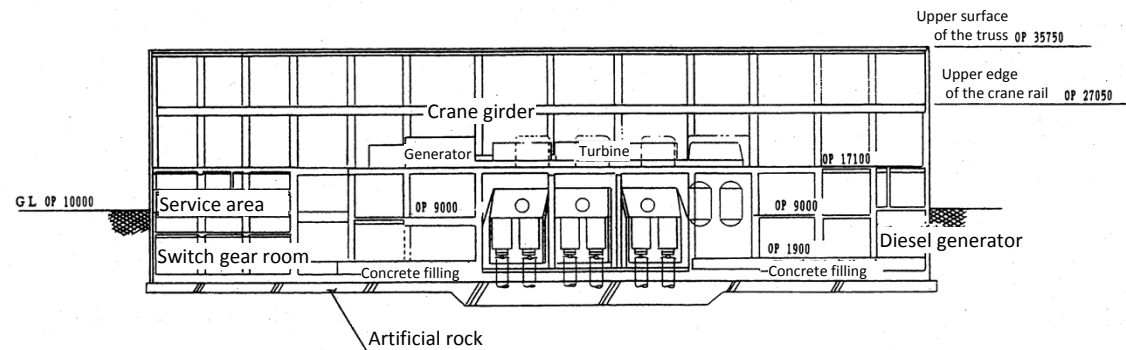


Source: Tokyo Electric Power Company, "Fukushima Dai-ichi NPS: Application for reactor alternation license," April 2002

Sectional view of the reactor building and other facilities at Unit 3 of the Fukushima Dai-ichi NPS



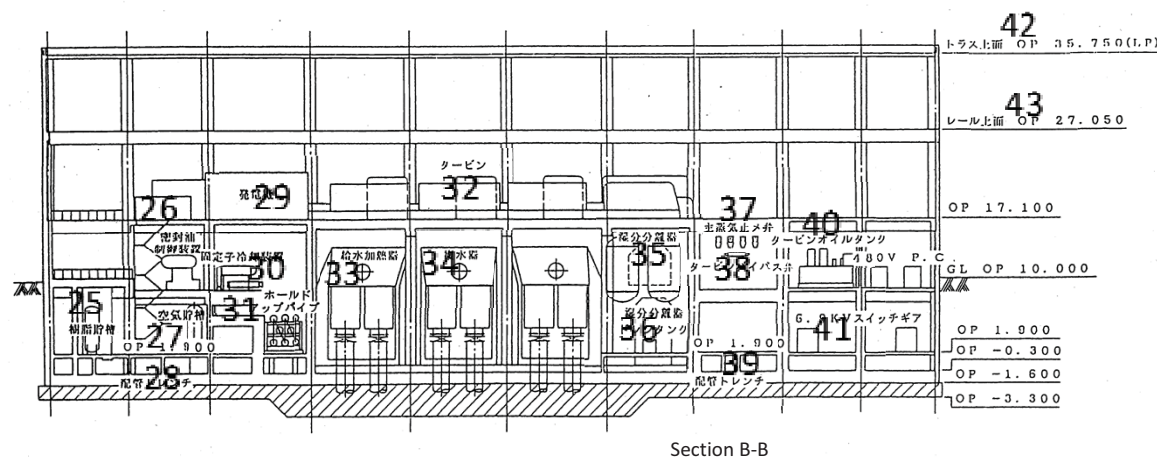
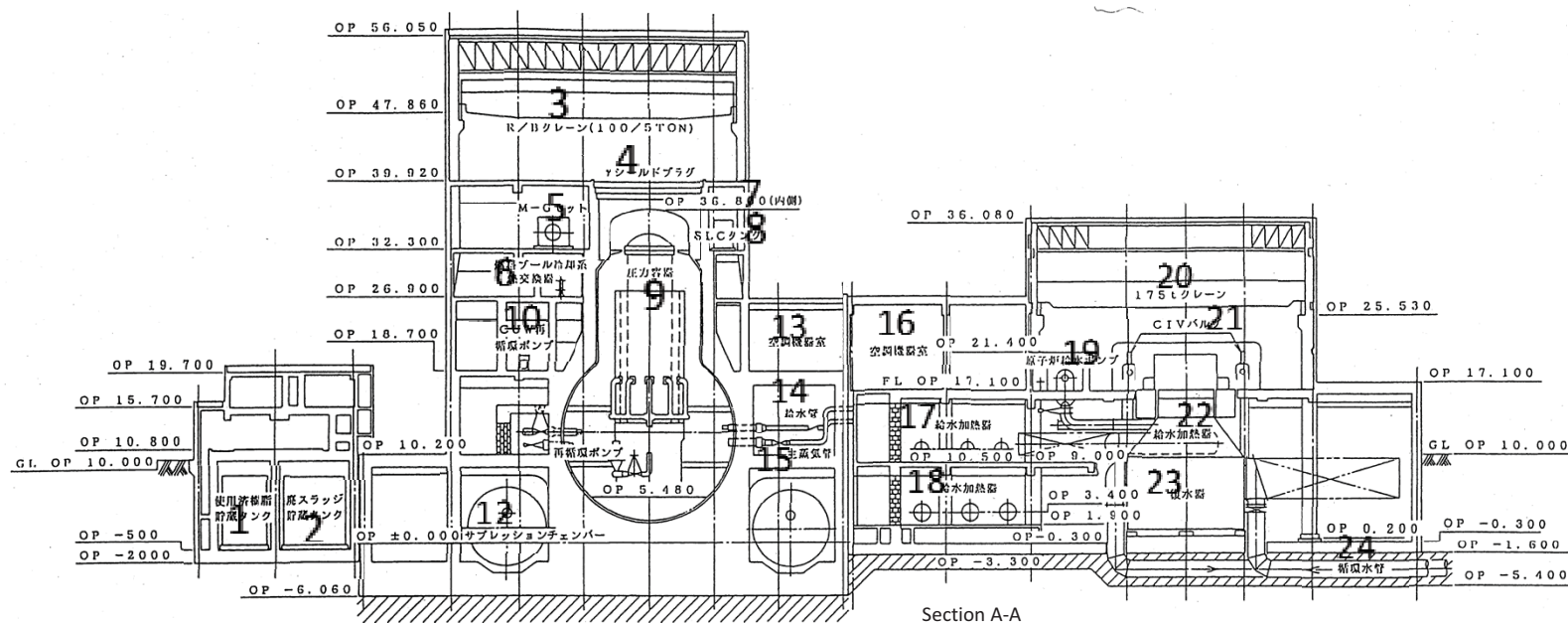
Section A-A



Section B-B

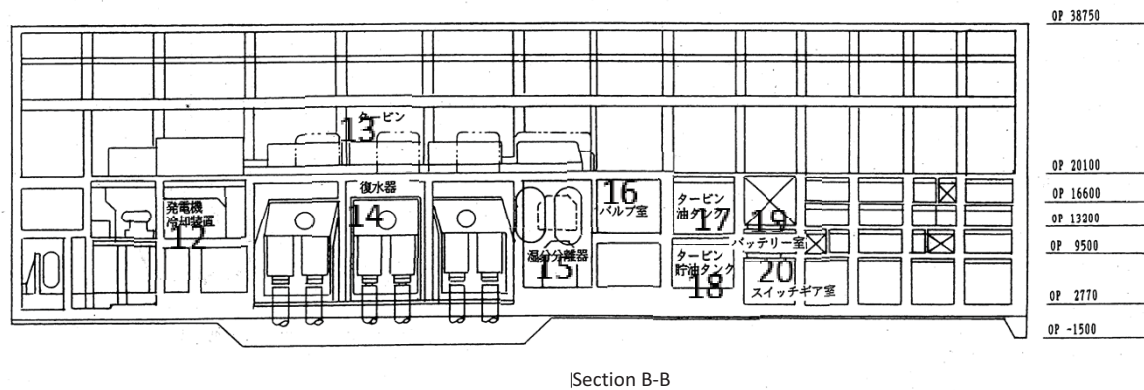
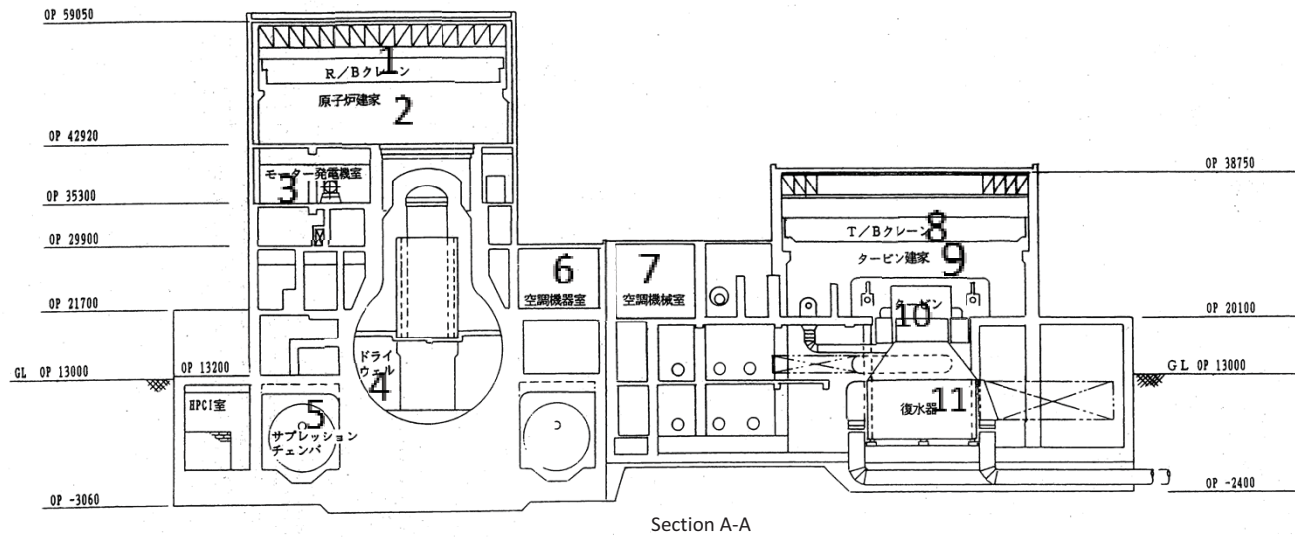
Based on "Fukushima Dai-ichi NPS: Application for reactor alternation license" (June 2003) by Tokyo Electric Power Company

Sectional view of the reactor building and other facilities at Unit 4 of the Fukushima Dai-ichi NPS



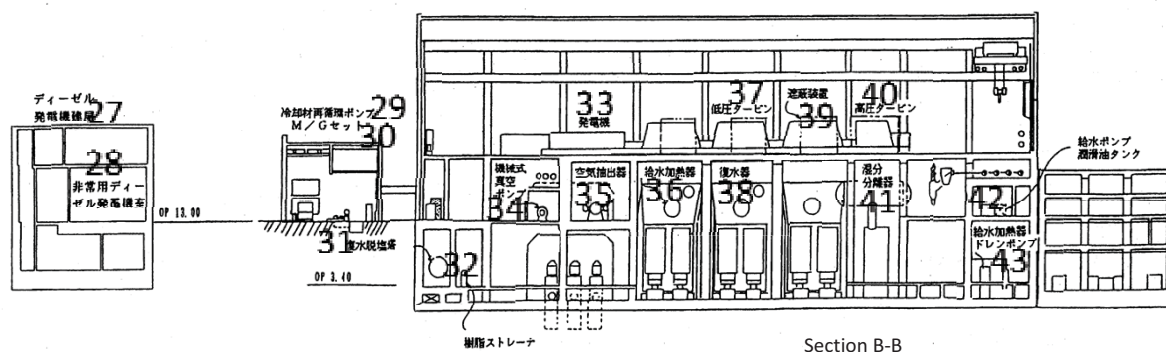
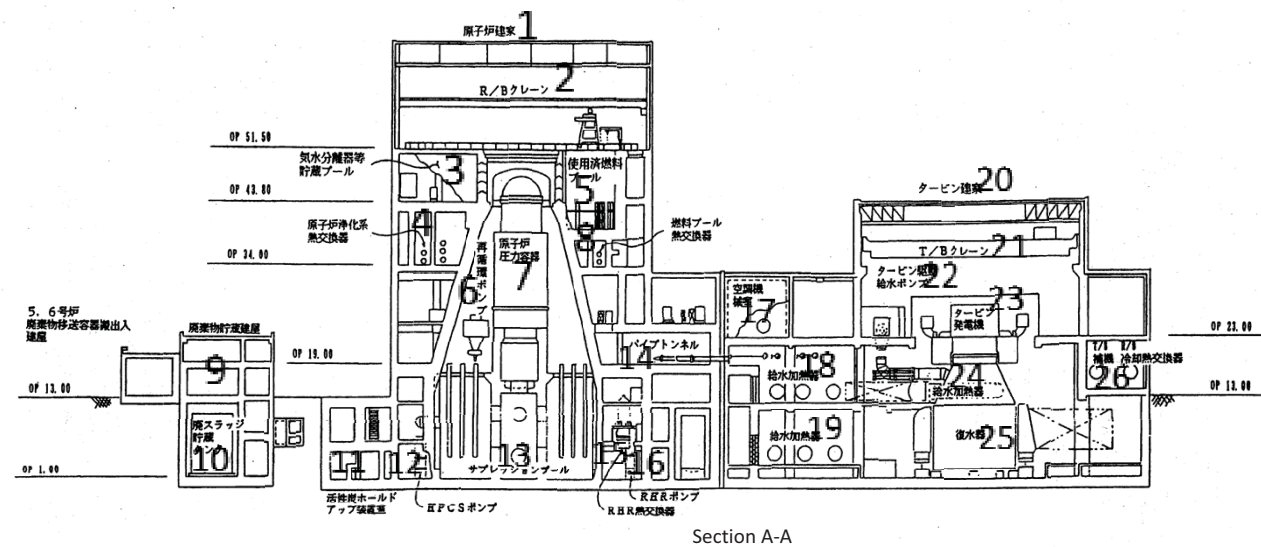
Based on "Fukushima Dai-ichi NPS: Application for reactor alternation license" (June 2003) by Tokyo Electric Power Company

Sectional view of the reactor building and other facilities at Unit 5 of the Fukushima Dai-ichi NPS



Based on “Fukushima Dai-ichi NPS: Application for reactor alternation license” (June 2003) by Tokyo Electric Power Company

Sectional view of the reactor building and other facilities at Unit 6 of the Fukushima Dai-ichi NPS



Source: Tokyo Electric Power Company, "Fukushima Dai-ichi NPS: Application for reactor alternation license," December 2010

福島第一原子力発電所における 4 号機の原子炉建屋等の断面図 : Sectional view of the reactor building and other facilities at Unit 4 of the Fukushima Dai-ichi NPS

上図 左 ⇒ 右

- ①使用済樹脂貯蔵タンク : Spent resin storage tank
- ②廃スラッジ貯蔵タンク : Waste sludge storage tank
- ③R/B クレーン (100/5 TON) : R/B crane (100/5 ton)
- ④γ シールドプラグ : Gamma shield plug
- ⑤M-G セット : M/G set
- ⑥燃料プール冷却系熱交換器 : Heat exchanger of the fuel pool cooling system
- ⑦OP 36,800 (内側) : OP 36,800 (interior side)
- ⑧SLC タンク : SLC tank
- ⑨圧力容器 : Pressure vessel
- ⑩CUW 再循環ポンプ : CUW recirculation pump
- ⑪再循環ポンプ : recirculation pump
- ⑫サプレッションチェンバ : Suppression chamber
- ⑬空調機器室 : Air-conditioning equipment room
- ⑭給水管 : Feedwater line
- ⑮主蒸気管 : Main steam line
- ⑯空調機器室 : Air-conditioning equipment room
- ⑰給水加熱器 : Feedwater heater
- ⑱給水加熱器 : Feedwater heater
- ⑲原子炉給水ポンプ : Reactor feed water pump
- ⑳175 t クレーン : 175-ton crane
- ㉑CIV バルブ : CIV valve
- ㉒給水加熱器 : Feedwater heater
- ㉓復水器 : Condenser
- ㉔循環水管 : Circulating water line

下図 左 ⇒ 右

- ㉕樹脂貯槽 : Resin reservoir
- ㉖密封油制御装置 : Seal oil control system
- ㉗空気貯槽 : Air reservoir
- ㉘配管トレンチ : Pipe trench
- ㉙発電機 : Generator

- ⑩ 固定予冷却装置 : Fixed pre-cooling unit
- ⑪ ホールドアップパイプ : Holdup pipes
- ⑫ タービン : Turbine
- ⑬ 給水加熱器 : Feedwater heater
- ⑭ 復水器 : Condenser
- ⑮ 湿分分離器 : Moisture separator
- ⑯ 湿分分離器ドレンタンク : Moisture separator drain tank
- ⑰ 主蒸気止メ弁 : Main steam stop valve
- ⑱ タービンバイパス弁 : Turbine bypass valve
- ⑲ 配管トレンチ : Pipe trench
- ⑳ タービンオイルタンク : Turbine oil tank
- ㉑ 6.9 kV スイッチギア : 6.9 kV switch gear
- ㉒ トラス上面 : Upper surface of the truss
- ㉓ レール上面 : Upper surface of the rail

福島第一原子力発電所における 5 号機の原子炉建屋等の断面図 : Sectional view of the reactor building and other facilities at Unit 5 of the Fukushima Dai-ichi NPS

上図 左 ⇒ 右

- ① R/B クレーン : R/B crane
- ② 原子炉建屋 : Reactor building
- ③ モーター発電機室 : Motor-driven generator room
- ④ ドライウエル : Drywell
- ⑤ サプレッションチェンバ : Suppression chamber
- ⑥ 空調機器室 : Air-conditioning equipment room
- ⑦ 空調機器室 : Air-conditioning equipment room
- ⑧ T/B クレーン : T/B crane
- ⑨ タービン建屋 : Turbine building
- ⑩ タービン : Turbine
- ⑪ 復水器 : Condenser

下図 左 ⇒ 右

- ⑫ 発電機冷却装置 : Generator cooling unit

- ⑬タービン：Turbine
- ⑭復水器：Condenser
- ⑮湿分分離器：Moisture separator
- ⑯バルブ室：Valve room
- ⑰タービン油タンク：Turbine oil tank
- ⑱タービン貯油タンク：Turbine oil storage tank
- ⑲バッテリー室：Battery room
- ⑳スイッチギア室：Switch gear room

福島第一原子力発電所における 6 号機の原子炉建屋等の断面図：Sectional view of the reactor building and other facilities at Unit 6 of the Fukushima Dai-ichi NPS

上図 左 ⇒ 右

- ①原子炉建屋：Reactor building
- ②R／B クレーン：R/B crane
- ③気水分離器等貯蔵プール：Storage pool for the steam separator and other devices
- ④原子炉浄化系熱交換器：Heat exchanger of the reactor cleanup system
- ⑤使用済燃料プール：Cartridge cooling pond
- ⑥再循環ポンプ：Recirculation pump
- ⑦原子炉圧力容器：Reactor pressure vessel
- ⑧燃料プール熱交換器：Fuel pool heat exchanger
- ⑨廃棄物貯蔵建屋：Waste storage building
- ⑩廃スラッジ貯蔵タンク：Waste sludge storage tank
- ⑪活性炭ホールドアップ装置室：Charcoal equipment room
- ⑫H P C S ポンプ：HPCS pump
- ⑬サプレッションプール：Suppression pool
- ⑭パイプトンネル：Pipe tunnel
- ⑮R H R 熱交換器：RHR heat exchanger
- ⑯R H R ポンプ：RHR pump
- ⑰空調機械室：Air-conditioning machine room
- ⑱給水加熱器：Feedwater heater
- ⑲給水加熱器：Feedwater heater
- ⑳タービン建屋：Turbine building
- ㉑T／B クレーン：T/B crane

- ㉒タービン駆動給水ポンプ：Turbine-driven feedwater pump
- ㉓タービン発電機：Turbine-generator
- ㉔給水加熱器：Feedwater heater
- ㉕復水器：Condenser
- ㉖補機冷却熱交換器：Component cooling heat exchanger

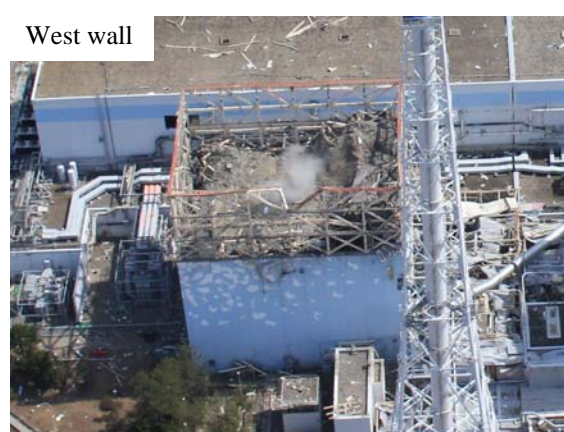
下図 左 ⇒ 右

- ㉗ディーゼル発電機建屋：Diesel generator building
- ㉘非常用ディーゼル発電機室：Emergency diesel generator room
- ㉙冷却材再循環ポンプ：Recirculation internal pump
- ㉚M／Gセット：M/G set
- ㉛復水脱塩塔：Condensate demineralization tower
- ㉜樹脂ストレーナ：Resin strainer
- ㉝発電機：Generator
- ㉞機械式真空ポンプ：Mechanical vacuum pump
- ㉟空気抽出器：Air ejector
- ㊱給水加熱器：Feedwater heater
- ㊲低圧タービン：Low-pressure turbine
- ㊳復水器：Condenser
- ㊴遮蔽装置：Shielding device
- ㊵高圧タービン：High-pressure turbine
- ㊶湿分分離器：Moisture separator
- ㊷給水ポンプ潤滑油タンク：Lubricant oil tank of the feedwater pump
- ㊸給水加熱器ドレンポンプ：Heater drain pump

Photographs showing damage to the Unit 1 reactor building



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company

Photographs showing damage to the Unit 1 reactor building



March 12, 2011
Photographed by Tokyo Electric Power Company



May 22, 2011
Photographed by Tokyo Electric Power Company

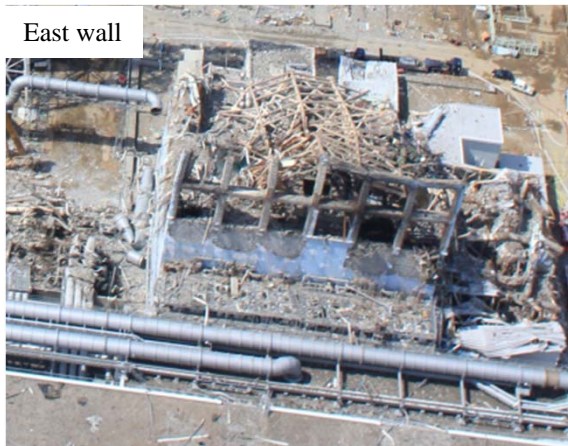


April 14, 2011
Photographed by Tokyo Electric Power Company

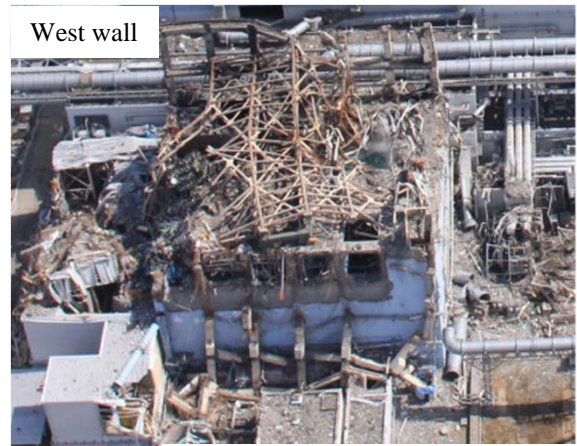


April 15, 2011
Photographed by Tokyo Electric Power Company

Photographs showing damage to the Unit 3 reactor building



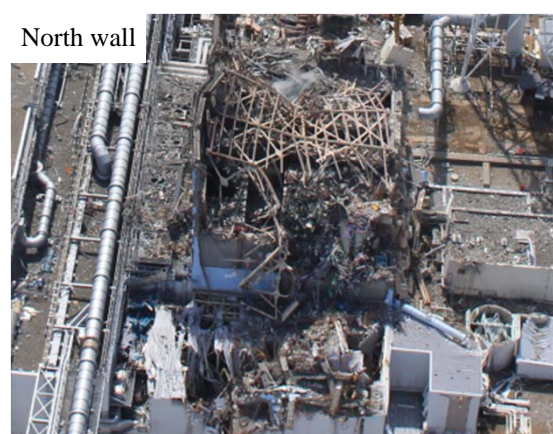
March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company

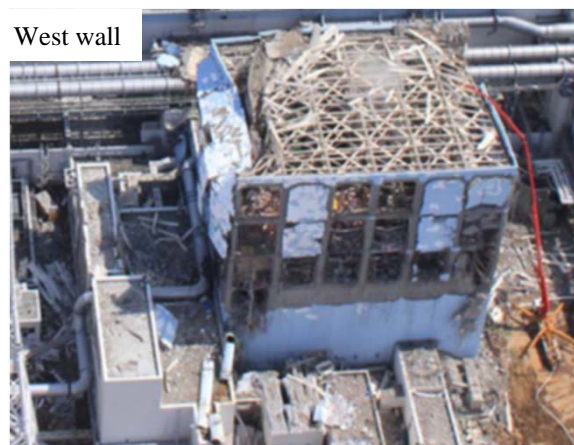


March 24, 2011
Photographed by Tokyo Electric Power Company

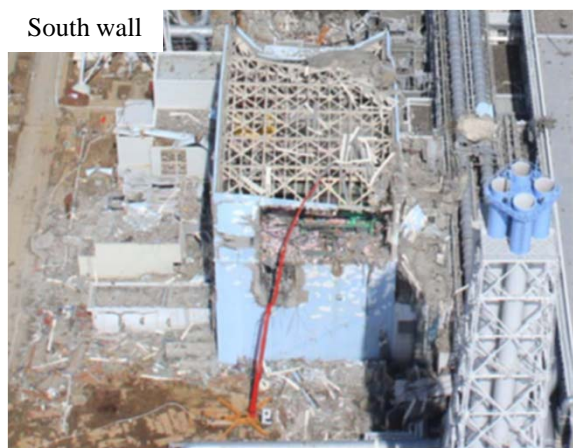
Photographs showing damage to the Unit 4 reactor building



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company

Photographs showing damage to the Unit 4 reactor building



March 24, 2011
Photographed by Tokyo Electric Power Company



March 24, 2011
Photographed by Tokyo Electric Power Company

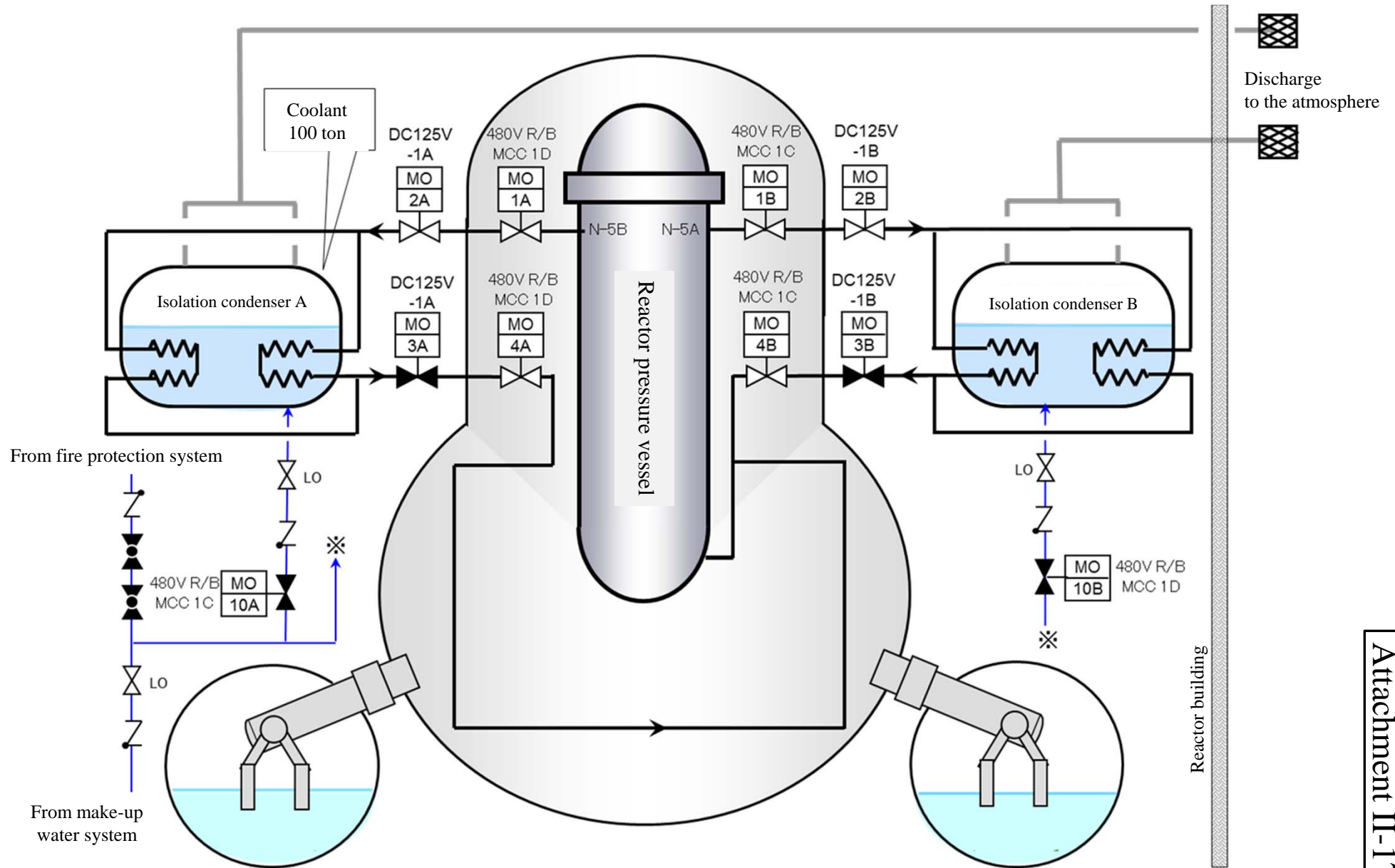


March 24, 2011
Photographed by Tokyo Electric Power Company

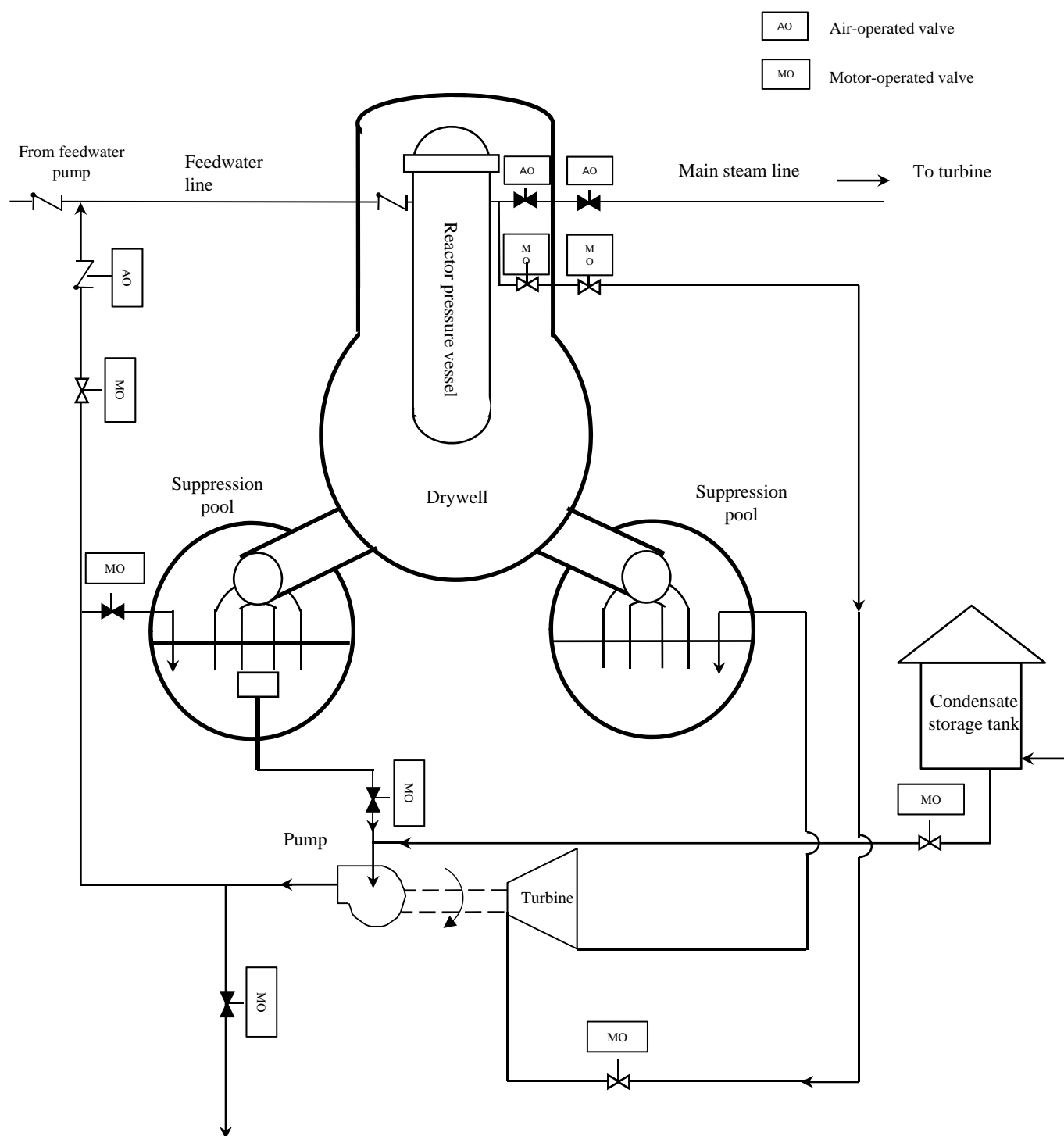


March 24, 2011
Photographed by Tokyo Electric Power Company

Isolation Condenser (IC)

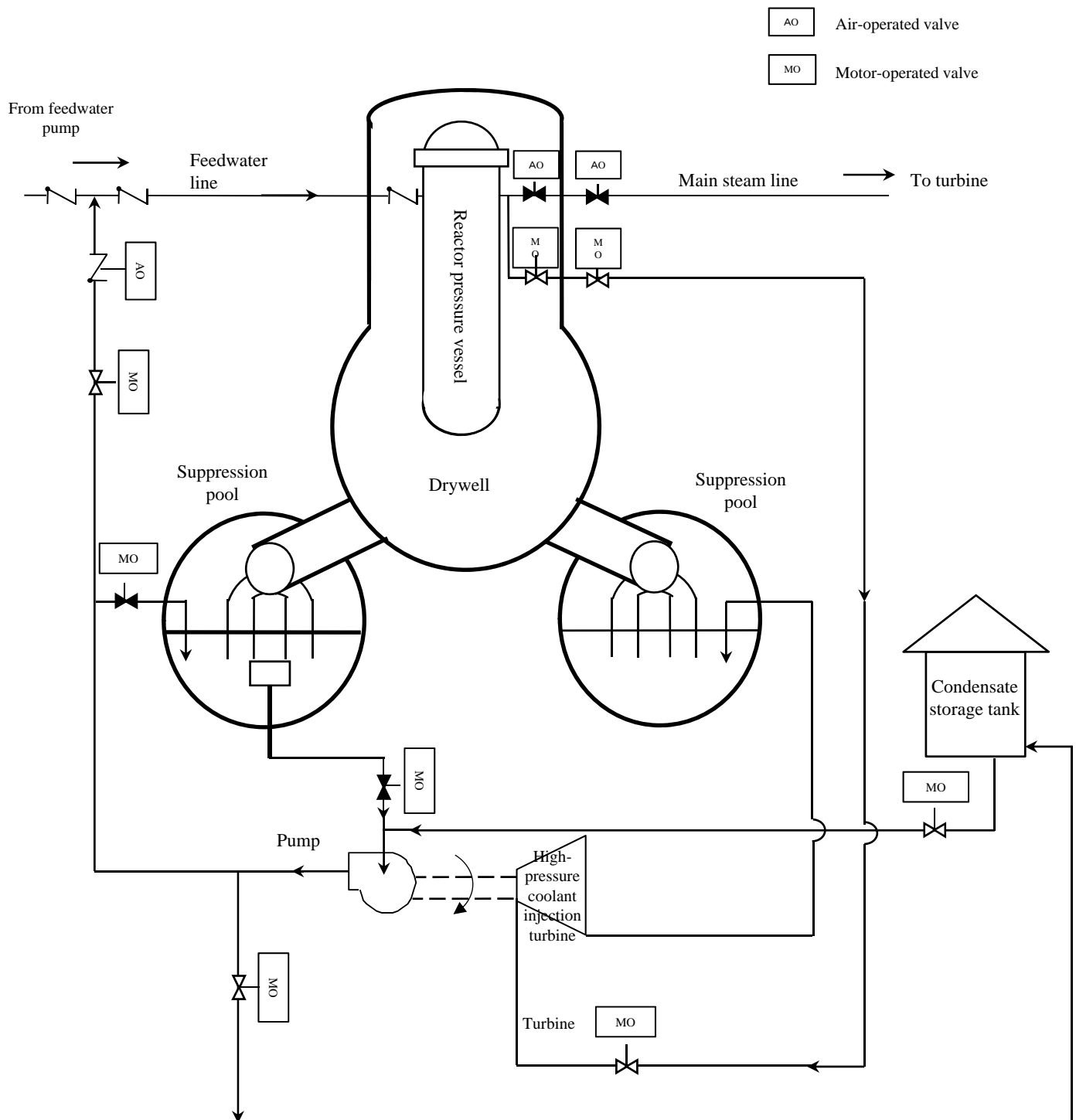


Created by Tokyo Electric Power Company



Reactor core isolation cooling (RCIC) system

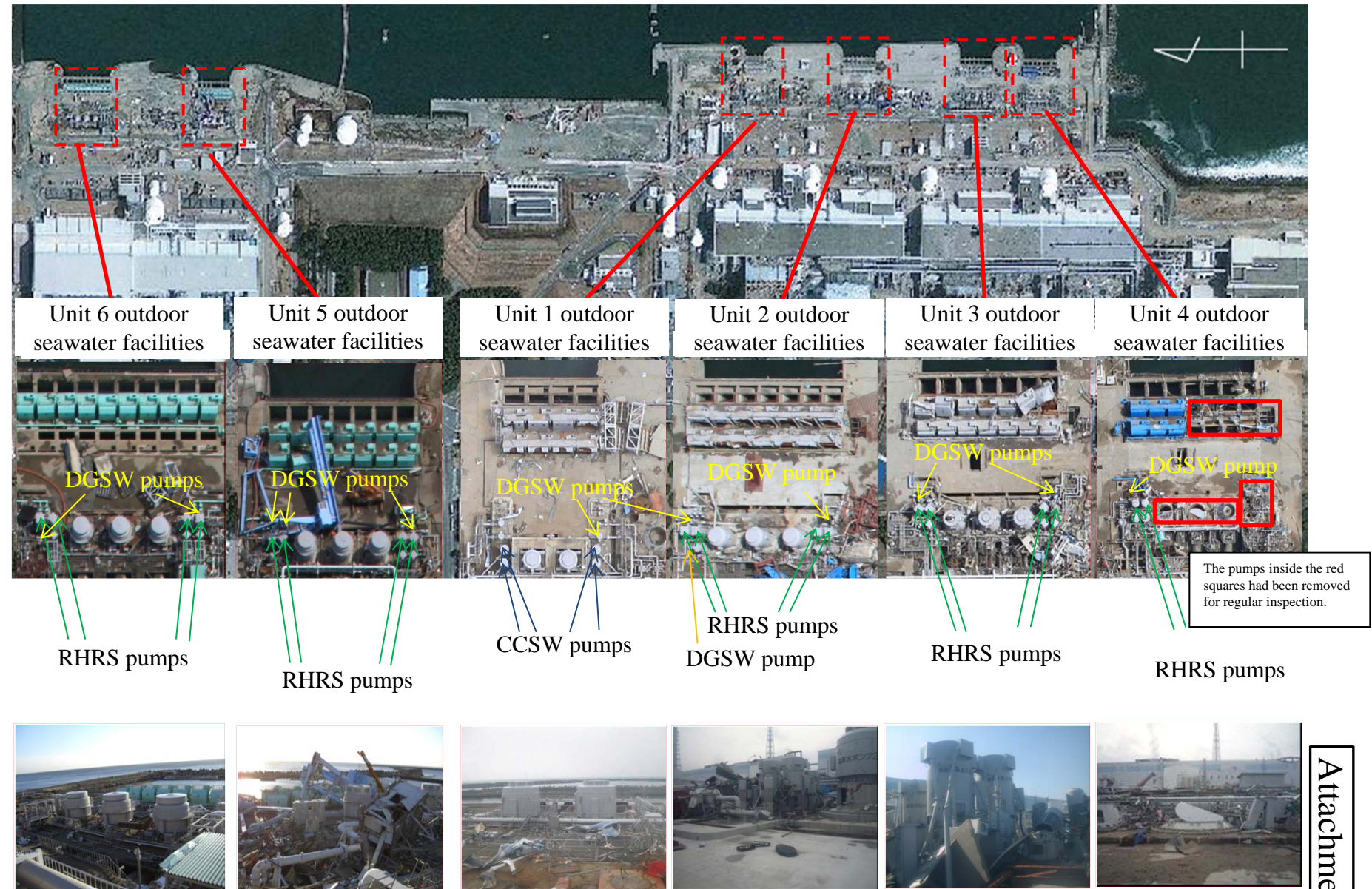
Based on "Fukushima Dai-ichi NPS: Application for permit for changes to reactor establishment"
(June 2003) by Tokyo Electric Power Company



High pressure coolant injection (HPCI) system

Based on "Fukushima Dai-ichi NPS: Application for permit for changes to reactor establishment"
(June 2003) by Tokyo Electric Power Company

Photograph showing an overview of the seaside area and outdoor seawater facilities at the Fukushima Dai-ichi NPS



RHRS: Residual heat removal sea water system
 CCSW: Containment cooling sea water system
 DGSW: Diesel generator sea water system

The aerial pictures are created from photographs on GeoEye.
 The six pictures in the bottom row are created from photographs taken by Tokyo Electric Power Company on March 29, 2011.

Damage to the emergency diesel generators (DGs), metal clad switchgear (M/C) and power centers (P/Cs)

Table 1. Damage to the emergency diesel generators (DGs) after the arrival of the tsunami

	Equipment	Installation location	Remarks	Equipment	Installation location	Remarks	Equipment	Installation location	Remarks	Equipment	Installation location	Remarks	Equipment	Installation location	Remarks	Equipment	Installation location	Remarks
DG	Unit 1			Unit 2			Unit 3			Unit 4			Unit 5			Unit 6		
	1A	1st basement floor, T/B	-	2A	1st basement floor, T/B	-	3A	1st basement floor, T/B	-	4A	1st basement floor, T/B	-	5A	1st basement floor, T/B	Exciters exposed to water	6A	1st basement floor, R/B	Seawater pumps exposed to water
	1B	1st basement floor, T/B	-	2B	1st floor, shared pool	M/C (2E), submerged	3B	1st basement floor, T/B	-	4B	1st floor, shared pool	M/C (4E), exposure to water	5B	1st basement floor, T/B	Exciters exposed to water	6B	1st floor, DG bldg.	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	for HPCS	1st basement floor, R/B	Seawater pumps exposed to water

Table 2. Damage to the metal clad switchgear (M/C) after the arrival of the tsunami

		Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location
		Unit 1		Unit 2		Unit 3		Unit 4		Unit 5		Unit 6	
Emergency M/C		1C	1st floor, T/B	2C	1st basement floor, T/B	3C	1st basement floor, T/B	4C	1st basement floor, T/B	5C	1st basement floor, T/B	6C	2nd basement floor, R/B
		1D	1st floor, T/B	2D	1st basement floor, T/B	3D	1st basement floor, T/B	4D	1st basement floor, T/B	5D	1st basement floor, T/B	6D	1st basement floor, R/B
		-	-	2E	1st basement floor, shared pool	-	-	4E	1st basement floor, shared pool	-	-	for HPCS	1st floor, R/B
Regular M/C	Regular	1A	1st floor, T/B	2A	1st basement floor, T/B	3A	1st basement floor, T/B	4A	1st basement floor, T/B	5A	1st basement floor, C/B	6A-1	1st basement floor, T/B
		1B	1st floor, T/B	2B	1st basement floor, T/B	3B	1st basement floor, T/B	4B	1st basement floor, T/B	5B	1st basement floor, C/B	6A-2	1st basement floor, T/B
		-	-	-	-	-	-	-	-	-	-	6B-1	1st basement floor, T/B
		-	-	-	-	-	-	-	-	-	-	6B-2	1st basement floor, T/B
	Common	1S	1st floor, T/B	2SA	1st floor, 2SA bldg.	3SA	1st basement floor, C/B	-	-	5SA-1	1st basement floor, C/B	-	-
		-	-	2SB	1st basement floor, T/B	3SB	1st basement floor, C/B	-	-	5SA-2	1st basement floor, C/B	-	-
		-	-	-	-	-	-	-	-	5SB-1	1st basement floor, C/B	-	-
		-	-	-	-	-	-	-	-	5SB-2	1st basement floor, C/B	-	-

Table 3. Damage to the power centers (P/Cs) after the arrival of the tsunami

		Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location	Equipment	Installation location
		Unit 1		Unit 2		Unit 3		Unit 4		Unit 5		Unit 6	
Emergency P/C		1C	1st basement floor, C/B	2C	1st floor, T/B	3C	1st basement floor, T/B	4C	1st floor, T/B	5C	1st basement floor, T/B	6C	2nd basement floor, R/B
		1D	1st basement floor, C/B	2D	1st floor, T/B	3D	1st basement floor, T/B	4D	1st floor, T/B	5D	1st basement floor, T/B	6D	1st basement floor, R/B
		-	-	2E	1st basement floor, shared pool	-	-	4E	1st basement floor, shared pool	-	-	6E	1st basement floor, DG bldg.
Regular P/C	Regular	1A	1st floor, T/B	2A	1st floor, T/B	3A	1st basement floor, T/B	4A	1st floor, T/B	5A	1st basement floor, C/B	6A-1	1st basement floor, T/B
		1B	1st floor, T/B	2A-1	1st basement floor, T/B	3B	1st basement floor, T/B	4B	1st floor, T/B	5A-1	2nd floor, T/B	6A-2	1st basement floor, T/B
		-	-	2B	1st floor, T/B	-	-	-	-	5B	1st basement floor, C/B	6B-1	1st basement floor, T/B
		-	-	-	-	-	-	-	-	5B-1	2nd floor, T/B	6B-2	1st basement floor, T/B
	Common	1S	1st floor, T/B	2SB	1st basement floor, T/B	3SA	1st basement floor, C/B	-	-	5SA	1st basement floor, C/B	-	-
		-	-	-	-	3SB	1st basement floor, C/B	-	-	5SA-1	1st basement floor, T/B	-	-
		-	-	-	-	-	-	-	-	5SB	1st basement floor, C/B	-	-

Explanatory note: The colors inside cells indicate the following:

Pink: Equipment itself was exposed to water.

Blue: Equipment was not exposed to water.

Green: Equipment itself was not exposed to water, but lost function due to water exposure of related equipment.

Gray: Under construction.

* Refer to Attachment II-3 for the location of each building, and to Attachment II-12 for the installation locations of the respective facilities inside the buildings.

* Refer to “Photographs showing damage to M/Cs and P/Cs” for the conditions of M/Cs and P/Cs of Unit 1, which were exposed to water.

Based on “The impact of Tohoku-Chihou Taiheiyo-Oki Earthquake to Nuclear Reactor Facilities at the Fukushima Dai-ichi Nuclear Power Station” (September 2011) by Tokyo Electric Power Company

Photographs showing damage to M/Cs and P/Cs



August 25, 2011 Photographed by Tokyo Electric Power Company

Picture (i): M/C on the north of the first floor, Unit 1 turbine building.
(Traces of the tsunami remain at shoulder height.)



August 25, 2011 Photographed by Tokyo Electric Power Company

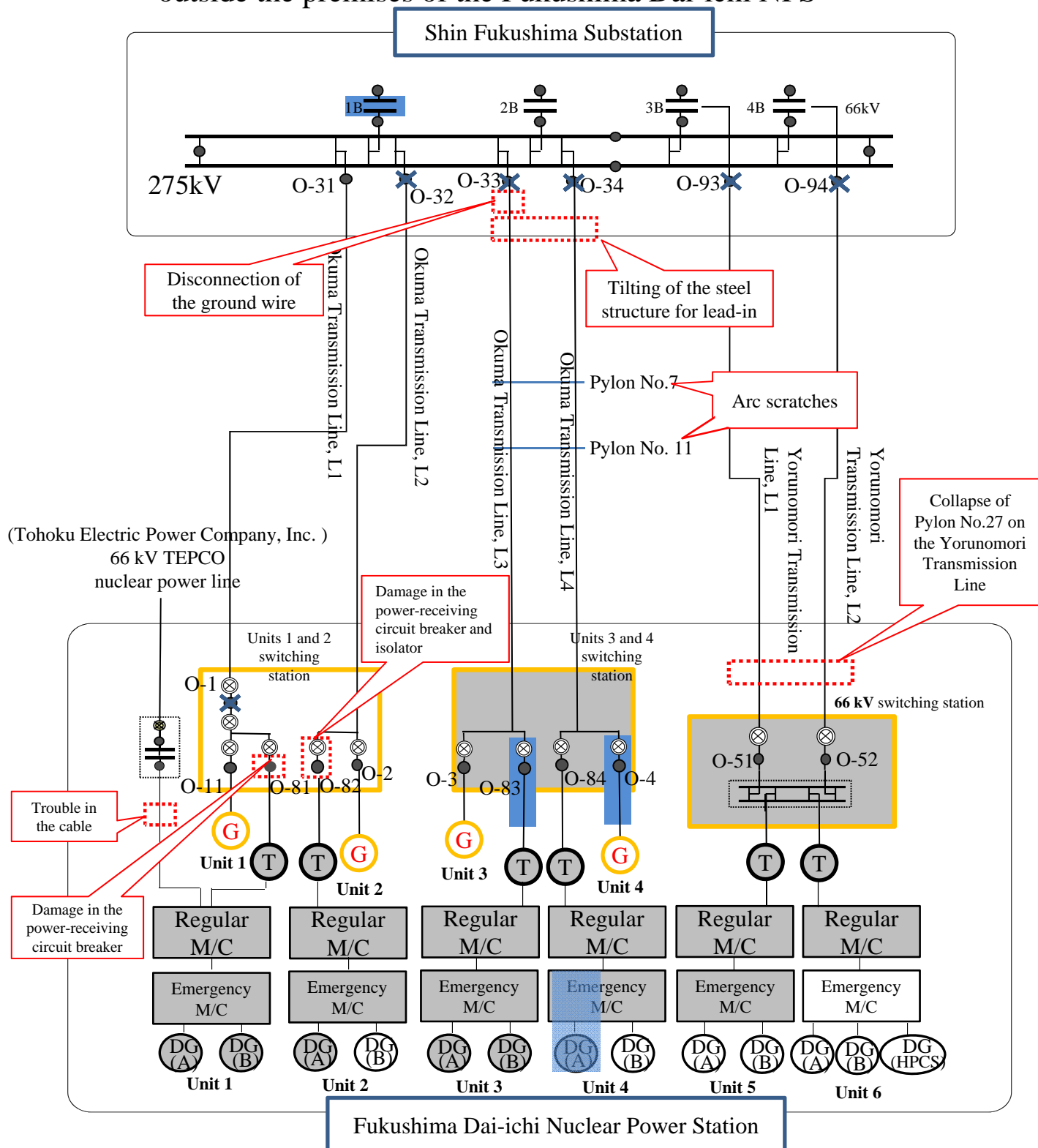
Picture (ii): M/C on the north of the first floor, Unit 1 turbine building.
(The device in the back is a breaker drawn out of the box.)



August 25, 2011 Photographed by Tokyo Electric Power Company

Picture (iii): P/C-1S on the first floor, Unit 1 turbine building.

Illustration of damage to electrical installations inside and outside the premises of the Fukushima Dai-ichi NPS



* The figure does not include L1 and L2 of the Futaba Transmission Line, the power transmission lines from Units 5 and 6, and the ultrahigh voltage switching station for Units 5 and 6 because they only serve for power transmission.

Based on "Regarding Collection of Reports Pursuant to the Provisions of Article 106, Paragraph 3 of the Electricity Business Act" (May 16, 2011) by Tokyo Electric Power Company

Explanatory note

⊗	Isolator	■	Exposed to water due to the tsunami
●	Breaker	■	Under inspection/construction
⊕	Startup transformer	≡	Transformer
⊙	Power generator	✕	Cutting point in power supply

Photographs showing damage to facilities required for the supply of external power



March 23, 2011 Photographed by Tokyo Electric Power Company
Picture (i): Breaker (O-81) having fallen inside the switching station for Units 1 and 2.



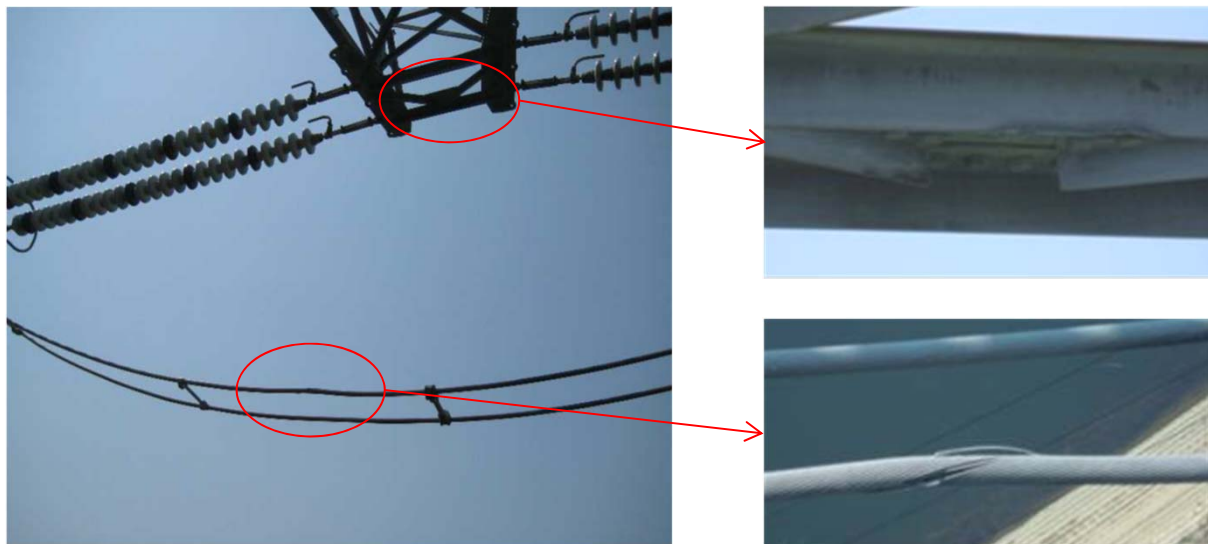
March 23, 2011 Photographed by Tokyo Electric Power Company
Picture (ii): Breaker (O-82) having fallen inside the switching station for Units 1 and 2.



March 23, 2011 Photographed by Tokyo Electric Power Company
Picture (iii): Disconnection switch having fallen inside the switching station for Units 1 and 2.

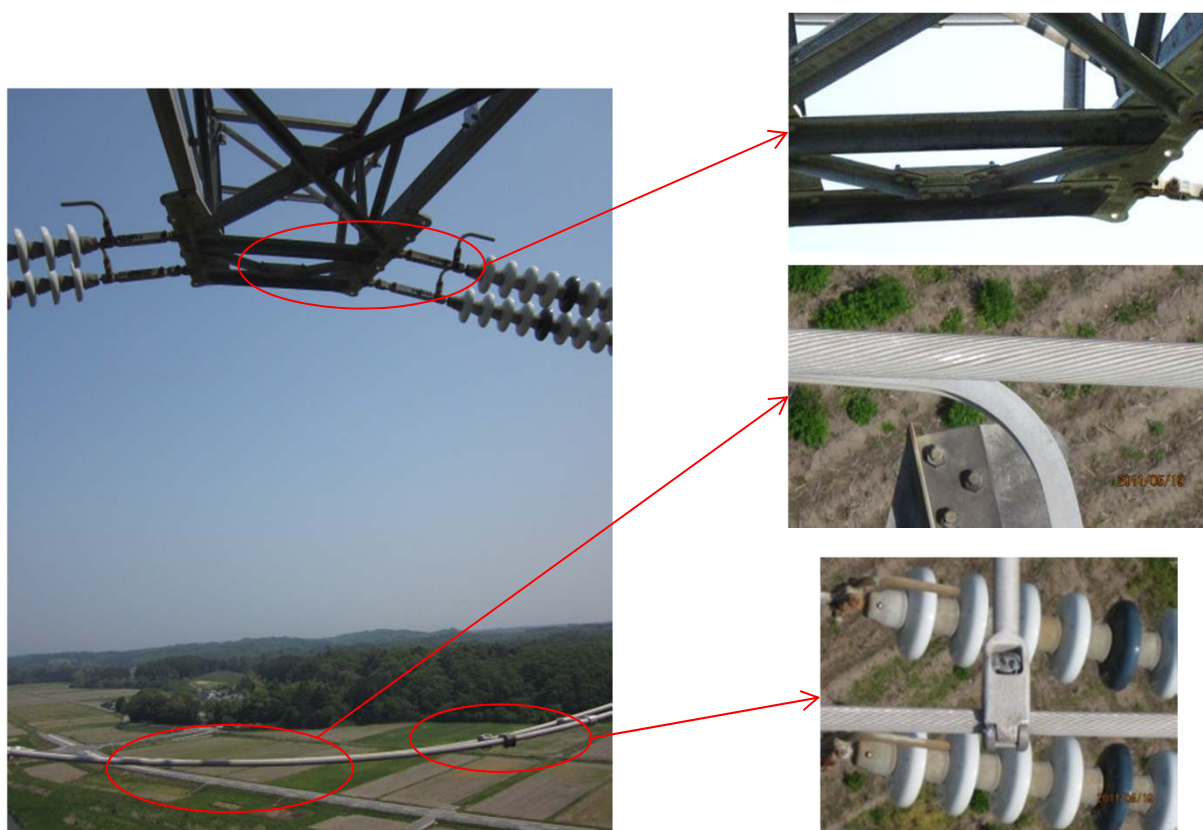
- The respective numbers for the breakers (O-81 and O-82) correspond to those in Attachment II-22.

Photographs showing damage to facilities required for the supply of external power



Picture (iv): Arc scratches confirmed on L3 of the Okuma Transmission Line (Pylon No.7 of L3 and L4 of the Okuma Transmission Line).

(May 19, 2011 Photographed by Tokyo Electric Power Company)



Picture (v): Arc scratches confirmed on L4 of the Okuma Transmission Line (Pylon No. 11 of L3 and L4 of the Okuma Transmission Line.)

(May 19, 2011 Photographed by Tokyo Electric Power Company)

*The locations of Pylons No. 7 and 11 are as indicated in L3 and L4 of the Okuma Transmission Line in Attachment II-22.

Photographs showing damage to facilities required for the supply of external power



March 12, 2011 Photographed by Tokyo Electric Power Company

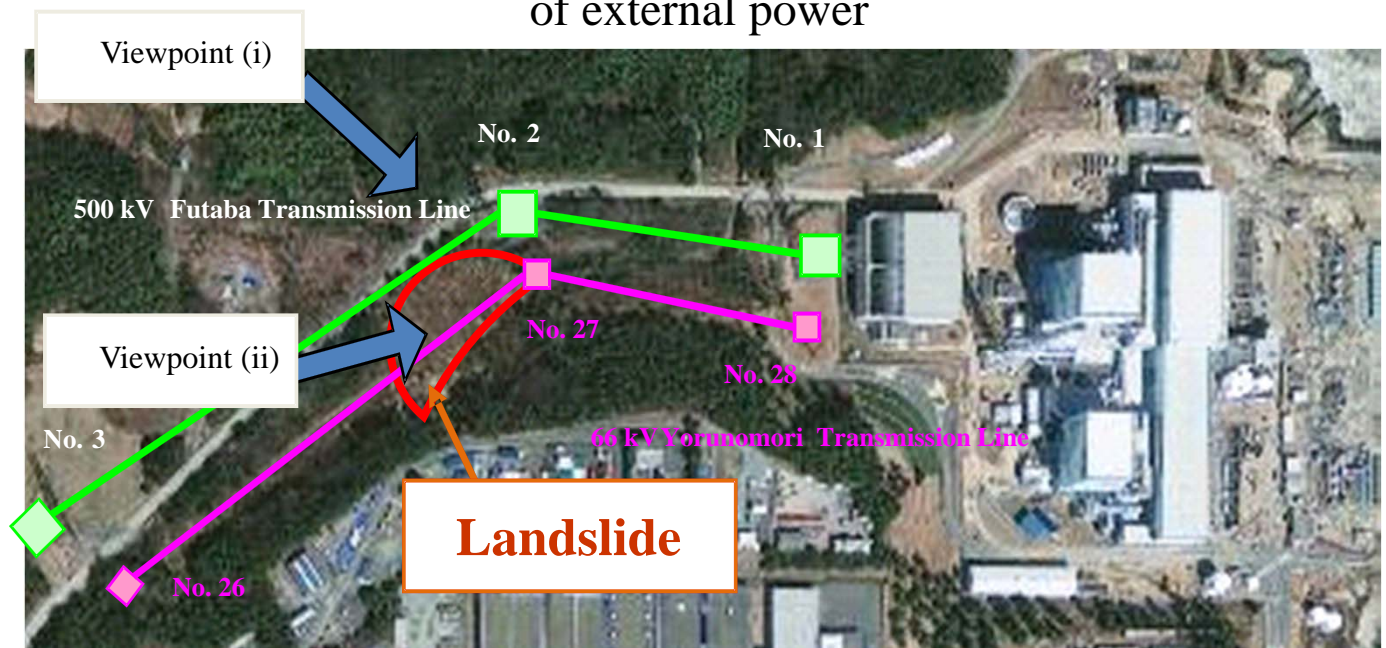
Picture (vi): Disconnected ground wire inside the Shin Fukushima Substation (Okuma Transmission Line, L3).



March 11, 2011 Photographed by Tokyo Electric Power Company

Picture (vii): Tilted steel structure for lead-in, Okuma Transmission Line, L3 and L4.

Photographs showing damage to facilities required for the supply of external power



Landside on the slope (Viewpoint (i))



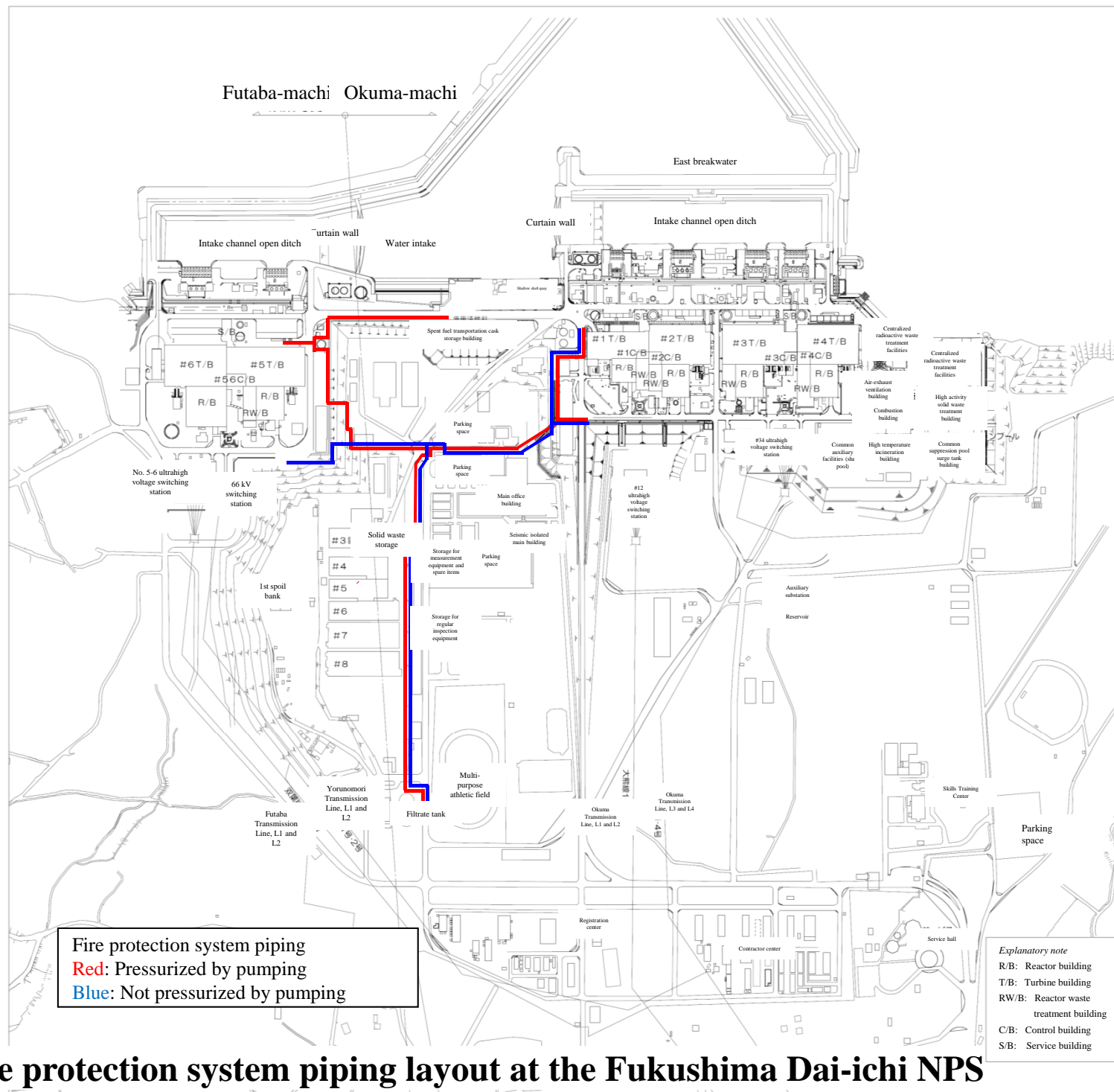
Collapse of the pylon (Viewpoint (ii))



- Top picture showing the landslide: Photographed by ©Geo Eye on March 19, 2011.

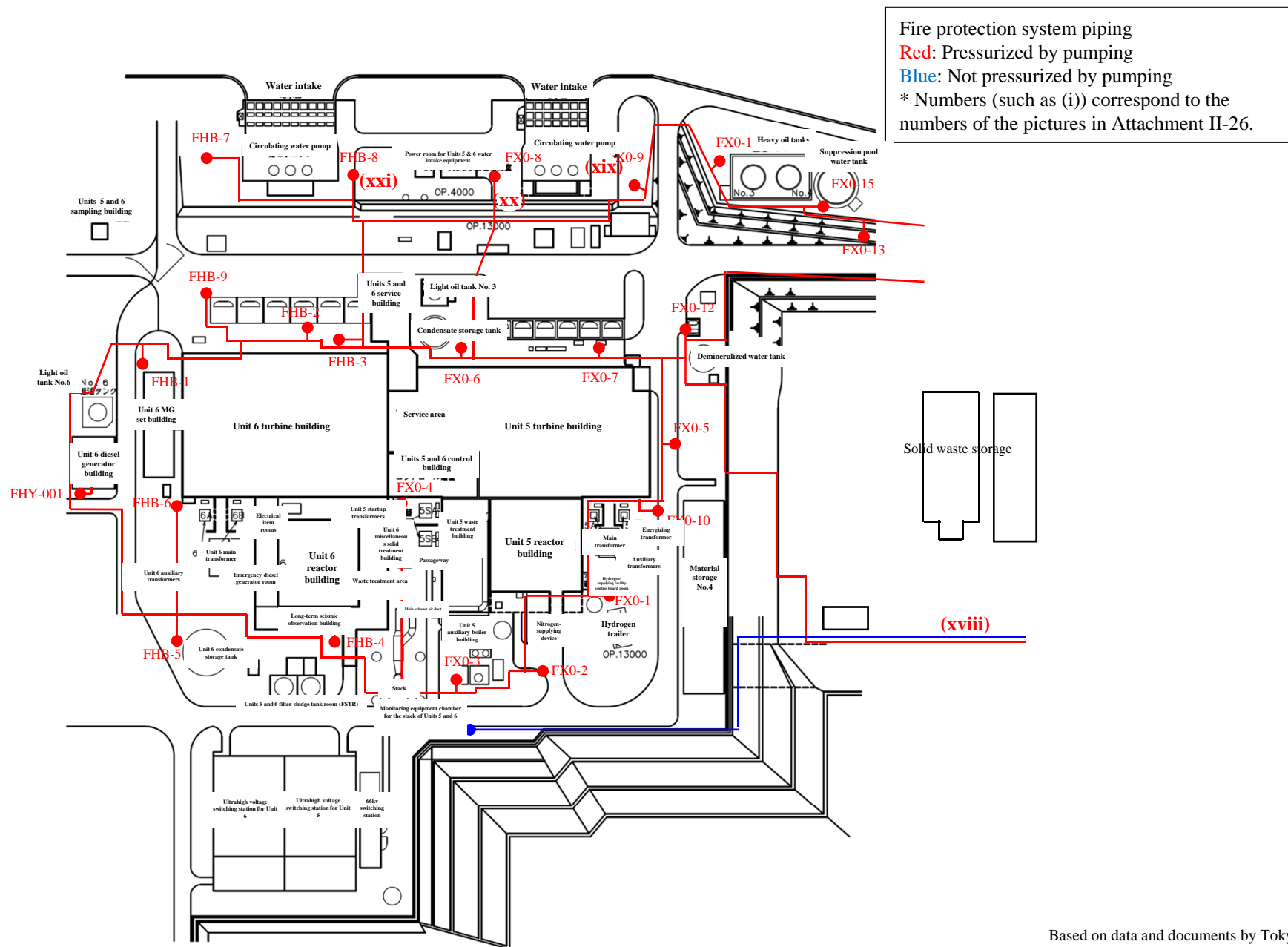
- Pictures from Viewpoints (i) and (ii): Photographed by Tokyo Electric Power Company on March 18, 2011.

Picture (viii): Collapsed Pylon No. 27 of the Yorumori Transmission Line, L1 and L2.



Fire protection system piping layout at the Fukushima Dai-ichi NPS

Based on data and documents by Tokyo Electric Power Company.



Fire protection system piping layout at the Fukushima Dai-ichi NPS (Units 5 and 6)

Location of the T/B water delivery ports at Units 1 to 4 of the Fukushima Dai-ichi NPS

* Construction completed in June 2010.

* Construction completed in June 2010.
Used for reactor coolant injection.

* Construction completed in June 2010.
Used for reactor coolant injection.

* Construction completed in June 2010.



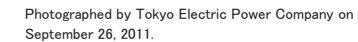
* Construction completed in June 2010.
Used for reactor coolant injection.



Photographed by Tokyo Electric Power Company on July 29, 2011.



Photographed by Tokyo Electric Power Company on September 26, 2011.



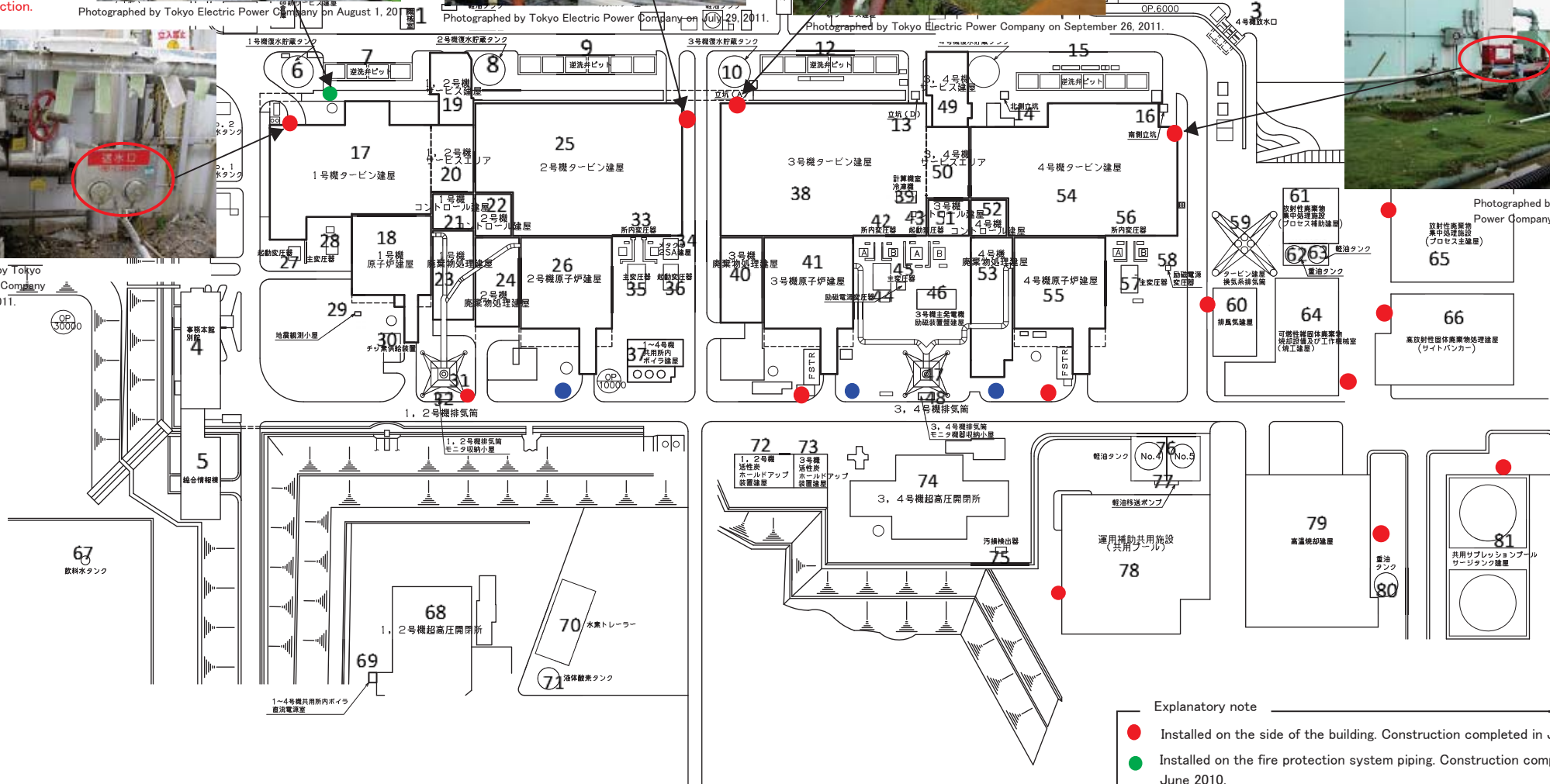
Photograph taken from the depth of the photograph below facing toward the wall.



Photographed by Tokyo Electric
Power Company on July 29, 2011.



Photographed by Tokyo
Electric Power Company
on August 1, 2011.



Explanatory note

- Installed on the side of the building. Construction completed in June 2010.
- Installed on the fire protection system piping. Construction completed in June 2010.
- Installed on the fire protection system piping. (Renovated in June 2010.)

Based on data and documents by Tokyo Electric Power Company

Attachment II-25

福島第一原子力発電所 1 号機から 4 号機 T/B 送水口設置個所 : Location of the T/B water delivery ports at Units 1 to 4 of the Fukushima Dai-ichi NPS

図上部 左⇒右

- ①機械室 : Machine room
- ②放水口 : Discharge structure
- ③ 4 号機放水口 : Discharge structure of Unit 4

図中央部 左⇒右

- ④事務本館別館 : Annex of the main office building
- ⑤総合情報棟 : General information building
- ⑥ 1 号機復水貯蔵タンク : Unit 1 condensate storage tank
- ⑦逆洗弁ピット : Reversing valve pit
- ⑧ 2 号機復水貯蔵タンク : Unit 2 condensate storage tank
- ⑨逆洗弁ピット : Reversing valve pit
- ⑩ 3 号機復水貯蔵タンク : Unit 3 condensate storage tank
- ⑪立杭 (A) : Shaft (A)
- ⑫逆洗弁ピット : Reversing valve pit
- ⑬立杭 (D) : Shaft (D)
- ⑭北側立杭 : North shaft
- ⑮逆洗弁ピット : Reversing valve pit
- ⑯南側立杭 : South shaft
- ⑰ 1 号機タービン建屋 : Unit 1 turbine building
- ⑱ 1 号機原子炉建屋 : Unit 1 reactor building
- ⑲ 1, 2 号機サービス建屋 : Units 1 and 2 service building
- ⑳ 1, 2 号機サービスエリア : Units 1 and 2 service area
- ㉑ 1 号機コントロール建屋 : Unit 1 control building
- ㉒ 2 号機コントロール建屋 : Unit 2 control building
- ㉓ 1 号機廃棄物処理建屋 : Unit 1 waste treatment building
- ㉔ 2 号機廃棄物処理建屋 : Unit 2 waste treatment building
- ㉕ 2 号機タービン建屋 : Unit 2 turbine building
- ㉖ 2 号機原子炉建屋 : Unit 2 reactor building
- ㉗起動変圧器 : Startup transformer
- ㉘主変圧器 : Main transformer
- ㉙地震観測小屋 : Seismic observatory

- ⑩ チッ素供給装置 : Nitrogen-supplying device
- ⑪ 1, 2号機排気筒 : Stack for Units 1 and 2
- ⑫ 1, 2号機排気筒モニタ収納小屋 : Monitoring equipment chamber for Units 1 and 2 stack
- ⑬ 所内変圧器 : Auxiliary transformers
- ⑭ メタクラ2SA 建屋 : Metal clad switch gear 2SA building
- ⑮ 主変圧器 : Main transformer
- ⑯ 起動変圧器 : Startup transformer
- ⑰ 1～4号機共用所内ボイラ建屋 : Common auxiliary boiler building for Units 1-4
- ⑱ 3号機タービン建屋 : Unit 3 turbine building
- ⑲ 計算機室冷凍機 : Computer room cooler
- ⑳ 3号機廃棄物処理建屋 : Unit 3 waste treatment building
- ㉑ 3号機原子炉建屋 : Unit 3 reactor building
- ㉒ 所内変圧器 : Auxiliary transformers
- ㉓ 起動変圧器 : Startup transformer
- ㉔ 励磁電源変圧器 : Energizing power transformer
- ㉕ 主変圧器 : Main transformer
- ㉖ 3号機主発電機励磁装置盤建屋 : Building for the energizing device of Unit 3 main generator
- ㉗ 3, 4号機排気筒 : Stack for Units 3 and 4
- ㉘ 3, 4号機排気筒モニタ収納小屋 : Monitoring equipment chamber for Units 3 and 4 stack
- ㉙ 3, 4号機サービス建屋 : Units 3 and 4 service building
- ㉚ 3, 4号機サービスエリア : Units 3 and 4 service area
- ㉛ 3号機コントロール建屋 : Unit 3 control building
- ㉜ 4号機コントロール建屋 : Unit 4 control building
- ㉝ 4号機廃棄物処理建屋 : Unit 4 waste treatment building
- ㉞ 4号機タービン建屋 : Unit 4 turbine building
- ㉟ 4号機原子炉建屋 : Unit 4 reactor building
- ㊱ 所内変圧器 : Auxiliary transformer
- ㊲ 主変圧器 : Main transformer
- ㊳ 励磁電源変圧器 : Energizing power transformer
- ㊴ タービン建屋換気系排気筒 : Stack for the turbine building ventilation system
- ㊵ 排風気建屋 : Air-exhaust ventilation building
- ㊶ 放射性廃棄物集中処理施設(プロセス補助建屋) : Centralized radioactive waste treatment facilities (auxiliary processing building)
- ㊷ 重油タンク : Heavy oil tank
- ㊸ 軽油タンク : Light oil tank

- ㊸可燃性雑固体廃棄物焼却施設および工作機械室（焼工建屋）：Miscellaneous flammable solid waste combustor and engineering machine room (combustion building)
- ㊹放射性廃棄物集中処理施設（プロセス主建屋）：Centralized radioactive waste treatment facilities (main processing building)
- ㊺高放射性固体廃棄物処理建屋（サイトバンカー）：High activity solid waste treatment building (side banker)

図下部 左⇒右

- ㊻飲料水タンク：Drinking water tank
- ㊼1，2号機超高压開閉所：Ultrahigh voltage switching station for Units 1 and 2
- ㊽1～4号機共用所内ボイラ直流電源室：DC power supply room for the common station-service boiler for Units 1-4
- ㊾水素トレーラー：Hydrogen trailer
- ㊿液体酸素タンク：Liquid oxygen tank
- ㋀1，2号機活性炭ホールドアップ装置建屋：Units 1 and 2 charcoal building
- ㋁3号機活性炭ホールドアップ装置建屋：Unit 3 charcoal building
- ㋂3，4号機超高压開閉所：Ultrahigh voltage switching station for Units 3 and 4
- ㋃汚損検出器：Contamination detector
- ㋄軽油タンク：Light oil tanks
- ㋅軽油移送ポンプ：Light oil transfer pump
- ㋆運用補助共用施設（共用プール）：Common auxiliary facilities (shared pool)
- ㋇高温焼却建屋：High temperature incineration building
- ㋈重油タンク：Heavy oil tank
- ㋉共用サプレッションプールサージタンク建屋：Common suppression pool surge tank building

Location of the T/B water delivery ports at Units 5 and 6 of the Fukushima Dai-ichi NPS

* Construction completed in June 2010.

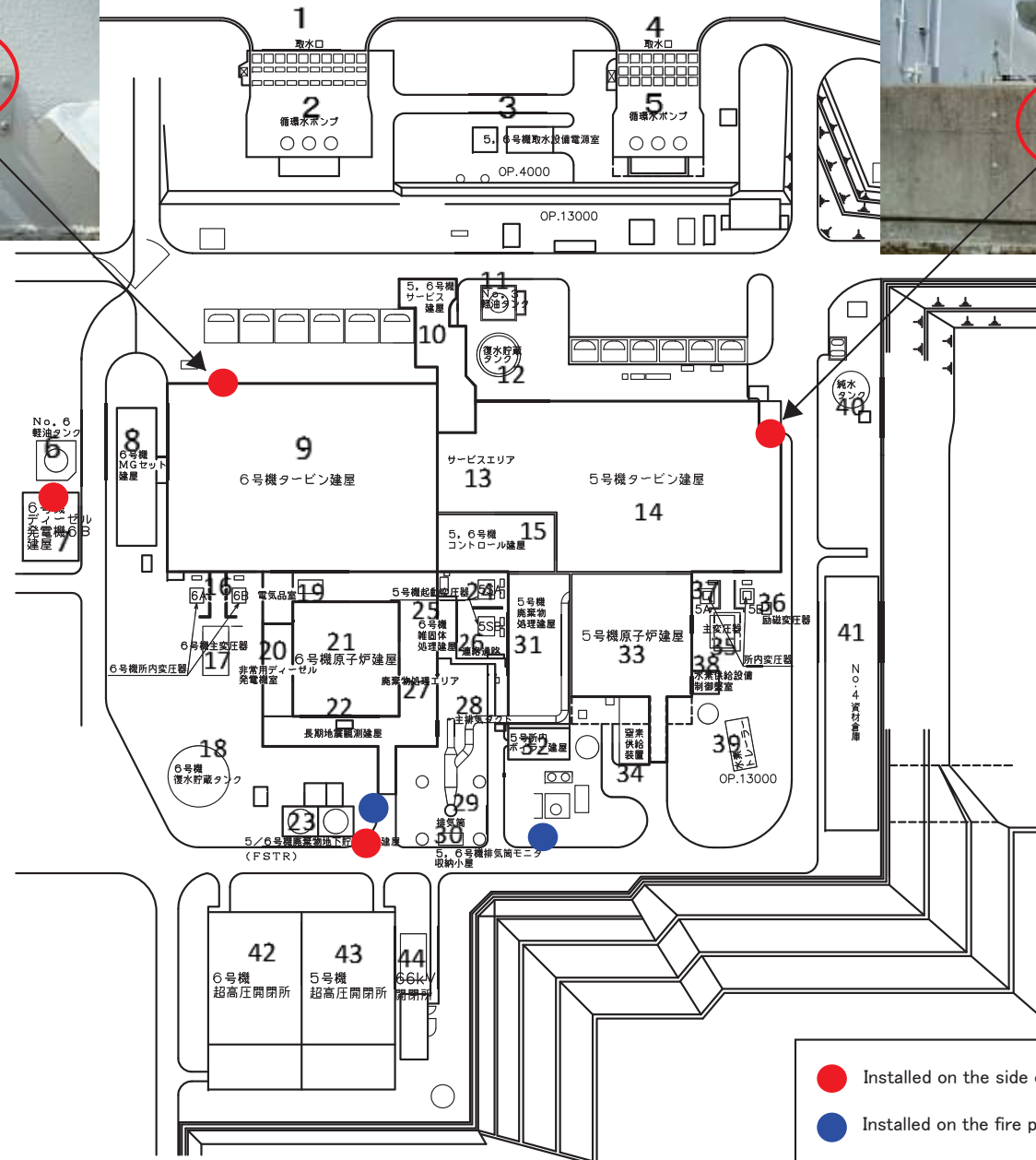


Photographed by Tokyo Electric Power Company on September 26, 2011.

* Construction completed in June 2010.



Photographed by Tokyo Electric Power Company on September 26, 2011.



Explanatory note

- Installed on the side of the building. Construction completed in June 2010.
- Installed on the fire protection system piping. (Renovated in June 2010.)

福島第一原子力発電所 5号機及び6号機 T/B送水口設置個所 : Location of the T/B water delivery ports at Units 5 and 6 of the Fukushima Dai-ichi NPS

Location of the T/B water delivery ports at Units 1 to 4 of the Fukushima Dai-ichi NPS

図上部 左⇒右)

- ①取水口 : Water intake
- ②循環水ポンプ : Circulating water pump
- ③ 5, 6号機取水設備電源室 : Power room for Units 5 and 6 intake facilities
- ④取水口 : Water intake
- ⑤循環水ポンプ : Circulating water pump

図中央部 左⇒右

- ⑥ N o. 6 軽油タンク : Light oil tank No. 6
- ⑦ 6号機ディーゼル発電機建屋 : Unit 6 diesel generator building
- ⑧ 6号機MGセット建屋 : Unit 6 MG set building
- ⑨ 6号機タービン建屋 : Unit 6 turbine building
- ⑩ 5, 6号機サービス建屋 : Units 5 and 6 service building
- ⑪ N o. 3 軽油タンク : Light oil tank No. 3
- ⑫ 復水貯蔵タンク : Condensate storage tank
- ⑬ サービスエリア : Service area
- ⑭ 5号機タービン建屋 : Unit 5 turbine building
- ⑮ 5, 6号機コントロール建屋 : Units 5 and 6 control building
- ⑯ 6号機所内変圧器 : Unit 6 auxiliary transformers
- ⑰ 6号機主変圧器 : Unit 6 main transformer
- ⑱ 6号機復水貯蔵タンク : Unit 6 condensate storage tank
- ⑲ 電気品室 : Electrical item room
- ⑳ 非常用ディーゼル発電機室 : Emergency diesel generator room
- ㉑ 6号機原子炉建屋 : Unit 6 reactor building
- ㉒ 長期地震観測建屋 : Long-term seismic observation building
- ㉓ 5 / 6号機廃棄物地下貯蔵設備建屋 : Units 5 and 6 filter sludge tank room
- ㉔ 5号機起動変圧器 : Unit 5 startup transformers
- ㉕ 6号機雑固体処理建屋 : Unit 6 miscellaneous solid treatment building
- ㉖ 連絡通路 : Passageway
- ㉗ 廃棄物処理エリア : Waste treatment area
- ㉘ 主排気ダクト : Main exhaust air duct

- ㊸排気筒：Stack
- ㊹5，6号機排気筒モニタ収納小屋：Monitoring equipment chamber for the stack of Units 5 and 6
- ㊺5号機廃棄物処理建屋：Unit 5 waste treatment building
- ㊻5号所内ボイラー建屋：Unit 5 auxiliary boiler building
- ㊼5号機原子炉建屋：Unit 5 reactor building
- ㊽窒素供給装置：Nitrogen-supplying device
- ㊾主変圧器：Main transformer
- ㊿励磁変圧器：Energizing transformer
- ㋀所内変圧器：Auxiliary transformers
- ㋁水素供給設備制御盤室：Hydrogen-supplying facility control board room
- ㋂水素トレーラー：Hydrogen trailer
- ㋃純水タンク：Demineralized water tank
- ㋄N o. 4 資材倉庫：Material storage No.4

図下部 左⇒右

- ㋅6号機超高压開閉所：Ultrahigh voltage switching station for Unit 6
- ㋆5号機超高压開閉所：Ultrahigh voltage switching station for Unit 5
- ㋇66KV開閉所：66 kV switchyard

Photographs showing the installation
of outdoor fire protection system facilities
at the Fukushima Dai-ichi NPS



(i) Hydrant (FO-20)
August 24, 2011 Photographed by Tokyo Electric Power Company



(ii) Hydrant (FS-2)
August 24, 2011 Photographed by Tokyo Electric Power Company



(iii) Hydrant (FS-4)
August 24, 2011 Photographed by Tokyo Electric Power Company



(iv) Intake of the domestic water system
August 24, 2011 Photographed by Tokyo Electric Power Company



(v) Hydrant (FX-07)
August 24, 2011 Photographed by Tokyo Electric Power Company



(vi) Hydrant (F3-8)
August 24, 2011 Photographed by Tokyo Electric Power Company

* Of the entire outdoor fire extinguishing system, the pictures above show only examples of damage to facilities installed above ground.
(The condition of underground piping is yet to be confirmed.)

Photographs showing the installation of outdoor fire protection system facilities at the Fukushima Dai-ichi NPS



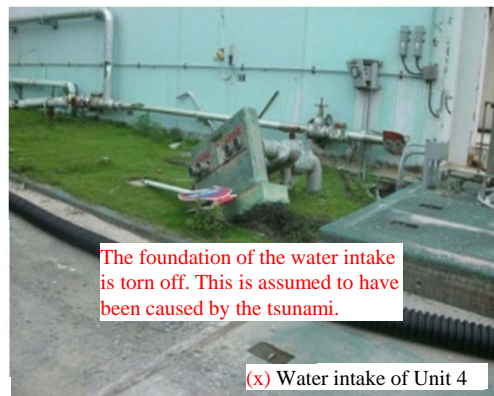
August 24, 2011 Photographed by Tokyo Electric Power Company



August 24, 2011 Photographed by Tokyo Electric Power Company



August 24, 2011 Photographed by Tokyo Electric Power Company



August 24, 2011 Photographed by Tokyo Electric Power Company



August 25, 2011 Photographed by Tokyo Electric Power Company



August 25, 2011 Photographed by Tokyo Electric Power Company

* Of the entire outdoor fire extinguishing system, the pictures above show only examples of damage to facilities installed above ground.
(The condition of underground piping is yet to be confirmed.)

Photographs showing the installation of outdoor fire protection system facilities at the Fukushima Dai-ichi NPS



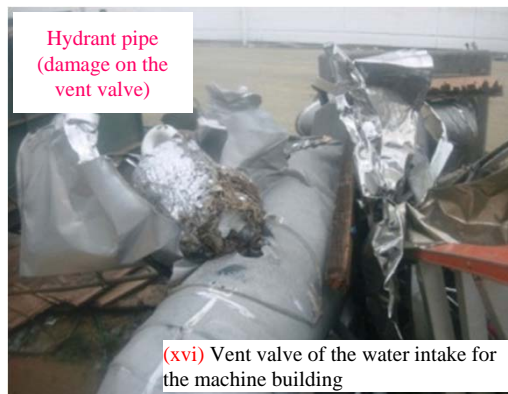
(xiii) Hydrant (FX-01)
August 25, 2011 Photographed by Tokyo Electric Power Company



(xiv) Hydrant and other equipment (FX-04, FP-407)
August 25, 2011 Photographed by Tokyo Electric Power Company



(xv) Hydrant (G06)
August 25, 2011 Photographed by Tokyo Electric Power Company



(xvi) Vent valve of the water intake for the machine building
March 24, 2011 Photographed by Tokyo Electric Power Company



(xvii) Water intake for Unit 1
July 4, 2011 Photographed by Tokyo Electric Power Company



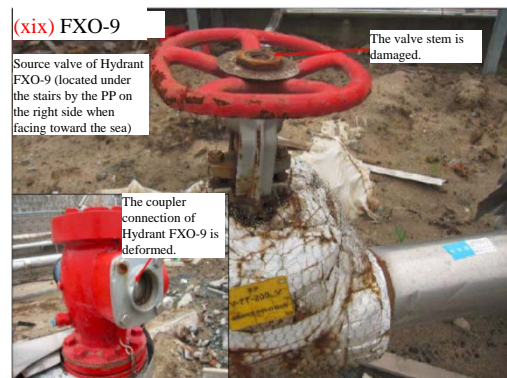
(xviii) Leaking point on the side pipeline stretching toward Units 5 and 6
August 15, 2011 Photographed by Tokyo Electric Power Company

* Of the entire outdoor fire extinguishing system, the pictures above show only examples of damage to facilities installed above ground.
(The condition of underground piping is yet to be confirmed.)

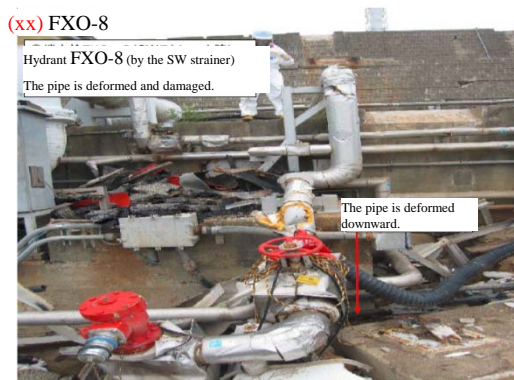
Photographs showing the installation of outdoor fire protection system facilities at the Fukushima Dai-ichi NPS



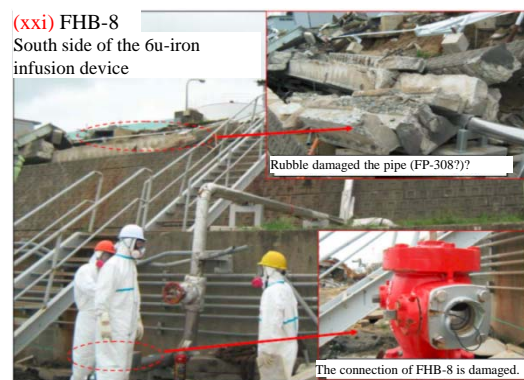
August 15, 2011 Photographed by Tokyo Electric Power Company



August 20, 2011 Photographed by Tokyo Electric Power Company



August 20, 2011 Photographed by Tokyo Electric Power Company



March 20, 2011 Photographed by Tokyo Electric Power Company

* Of the entire outdoor fire extinguishing system, the pictures above show only examples of damage to facilities installed above ground.
(The condition of underground piping is yet to be confirmed.)

Photographs showing the installation of fire hydrants in the T/Bs of Units 1 to 3

Unit 1 turbine building



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (HB-9) on the
first floor



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (HB-11) on the
first floor



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (HB-18) on the
second floor

Photographs showing the installation of fire hydrants in the T/Bs of Units 1 to 3

Unit 2 turbine building



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (FH-17) on the
second floor



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (FH-18) on the
second floor



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (FH-20) on the
second floor

Photographs showing the installation of fire hydrants in the T/Bs of Units 1 to 3

Unit 3 turbine building



August 25, 2011 Photographed by Tokyo Electric
Power Company

Hydrant (T-14) on the
first floor



August 25, 2011 Photographed by Tokyo Electric
Power Company

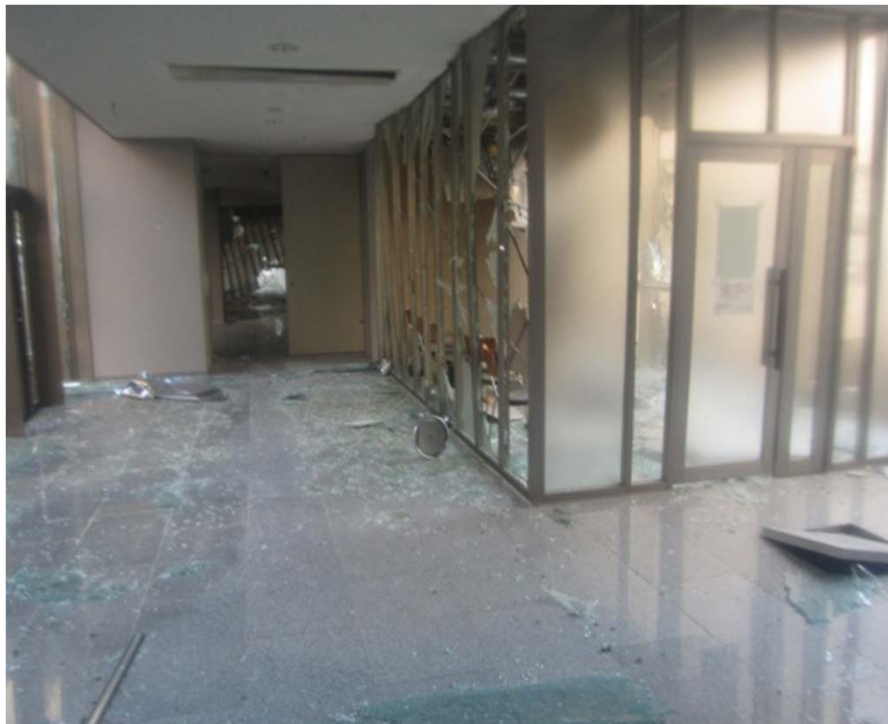
Hydrant (T-19) on the
second floor

Photographs showing damage to the main office building



March 29, 2011 Photographed by Tokyo Electric Power Company

Picture (i): Inside the office of the Public Relations Department on the first floor.



March 29, 2011 Photographed by Tokyo Electric Power Company

Picture (ii): Hallway near the entrance on the first floor.

Photographs showing damage to the main office building



May 6, 2011 Photographed by Tokyo Electric Power Company

Picture (iii): Inside the office of the General Affairs Department on the second floor.



March 29, 2011 Photographed by Tokyo Electric Power Company

Picture (iv): Inside the office of the General Engineering Department on the second floor.

Photographs showing damage to the main office building



May 6, 2011 Photographed by Tokyo Electric Power Company

Picture (v): Exterior of the main building.

Photographs showing damage to emergency access roads to the Fukushima Daiichi NPS



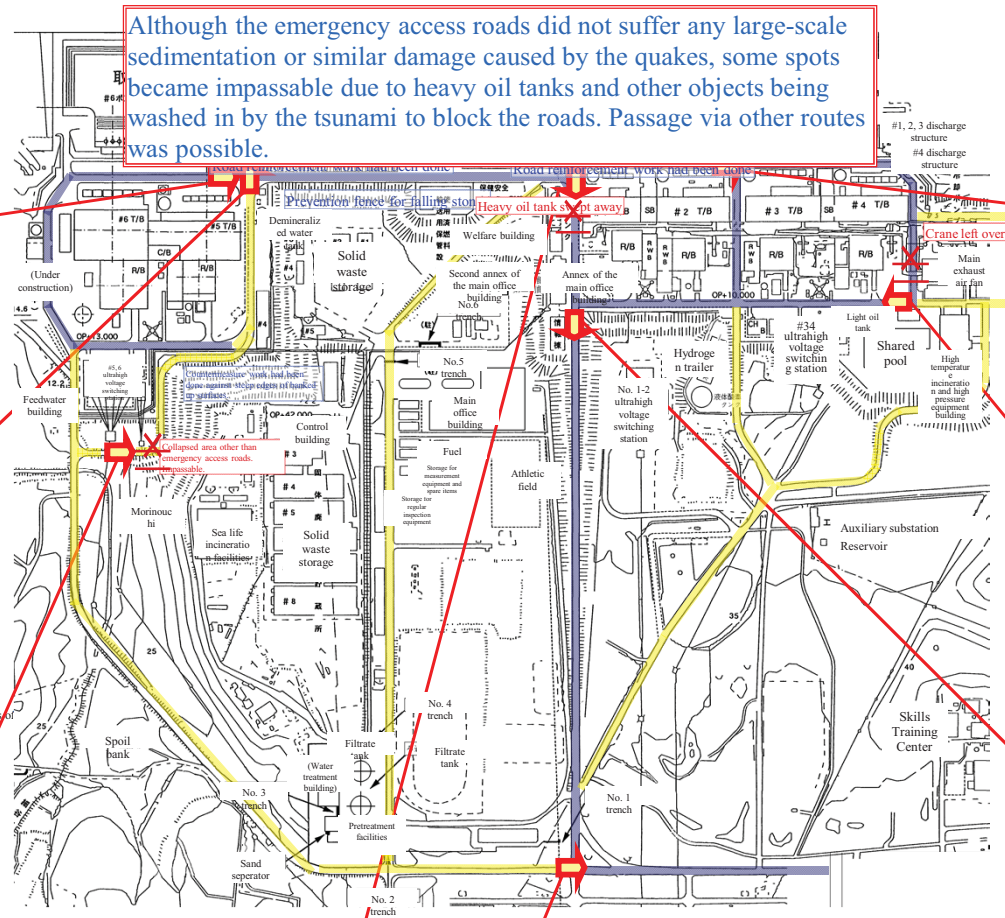
The lane on the sea side cracked parallel to the road and created a gap. The west side was passable. Photographed by TEPCO on March 17, 2011.



Although this area had had reinforcement work, cracks and gaps occurred on the sides of road which had not been reinforced. Photographed by TEPCO on March 17, 2011



Although this is not an emergency access road, the slopes collapsed and blocked the road, leaving it impassable. Photographed by TEPCO on March 20, 2011



Although there was no major damage to the road, a heavy oil tank washed in by the tsunami. No particular problem was observed on the straight road stretching from the main gate road, leaving it impassable. Photographed by TEPCO on March 17, 2011



Photographed by TEPCO on August 26, 2011







Although no particular problem was observed with the road, rubble scattered around due to the tsunami and explosion Photographed by TEPCO on March 16, 2011



No particular problem was observed on the west sides of Units 1 to 4. When Units 1, 3 and 4 were damaged, rubble scattered around. Photographed by TEPCO on March 20, 2011



Despite the scattering of some rubble, no particular problem was observed on the road.
 Photographed by TEPCO on March 20, 2011

- | | |
|---|---|
|  | Emergency access road |
|  | Major route other than emergency access roads |
|  | Impassable |
|  | Photograph spot & direction |

Based on data and documents
by Tokyo Electric Power