

Fukushima Daiichi Nuclear Power Station Accident List (July to December 2021)

(Excerpts from reports of problems in the Nuclear Facilities Information Disclosure Library
(NUCIA))

Date (2022)	Location	Accident Summary	ERR*
Jul. 19	Temporary storage area	<p>On July 5, the value of total beta radioactivity temporarily increased in the drainage basin in temporary storage area P. On July 7, it was confirmed that beta radiation was significantly high in the vicinity of the notch tanks used for waste storage. Investigating the situation in the notch tanks, it was confirmed that all four lids (two per tank) on the top plate hatches of the two tanks and the top plate itself had shifted, and that rainwater had flowed into the tanks, completely filling them. The maximum radioactivity of the water in the tank and on the tank top plate was 79,000 Bq/L and 71,000 Bq/L (total beta), respectively.</p> <p>Some of the water in the tank may have flowed into the Jinbazawa River. On July 19, as Sr-90 and Y-90 were detected in the drainage basin, it was judged that the incident fell under Article 18, Paragraph 10 of the Regulations on Safety of Nuclear Reactor Facilities at Fukushima Daiichi Nuclear Power Station and Protection of Specific Nuclear Fuel Materials, which states, "When nuclear fuel material, etc. has leaked outside the controlled area." The contents of the tank were confirmed to be a flexible container bag containing highly beta-contaminated soil, and it was presumed that rainwater had flowed into the tank because the top plate had shifted.</p>	○
Jul. 27	South side of Unit 5	Oil was leaking from a crawler crane parked on the south side of Unit 5.	
Jul. 28	Infringement in 2021 First Quarter Implementation Plan (Inadequate management of debris, etc.)	On March 22, 2021, a clump of soil with a high surface dose rate was found in the temporary storage area W. As the result of an investigation, it was determined that it could not be ruled out that the debris spilled out of a corroded location on of the container where the debris was stored, and on March 25, the incident was reported to the NRA as a nuclear fuel material leakage event in a controlled area. The contents of 4,011 out of 85,469 containers in the temporary storage area were unknown, and abnormalities such as corrosion were confirmed in 548 containers. In addition, 803 containers, etc. containing debris whose contents and storage history are unknown were found outside the temporary storage area.	
Jul. 30	Miscellaneous Solid Waste Incineration Facility	A "secondary combustor burner A high diesel pressure" alarm was generated at the miscellaneous solid waste incineration facility (A). It was confirmed that the diesel for burner combustion was discharged into the oil receiver.	
Aug. 4	West side of Unit 2 reactor building	A trace amount of oil was detected when sampling was conducted at subdrain pits Nos. 18 and 19 on the west side of the Unit 2 reactor building. Pumping from the pit was stopped.	
Aug. 16	Onsite landing quay	A thin silver-white oil film was found around a ship moored at the floating pier of the onsite landing quay.	
Sep. 1	Large rest area	An official of the Nuclear Regulation Agency found a leak of what appeared to be oil near the large rest area on the NPP site.	
Sep. 13	Multi-radionuclide removal equipment building	A leakage detector was activated in the onsite existing multi-radionuclide removal equipment building. The leaked water remained inside the dike and there was no external impact.	
Sep. 14	Unit 5 screening yard	A partner company worker was injured during work. It was reported by medical personnel as the right little finger being almost cut off from the hand.	
Sep. 16	Cleaning device for subdrains, etc.	At around 5:40 AM on September 16, a cleaning device for subdrains and other areas stopped automatically. As the cause was a problem with the limit switch on the suction column inlet valve, the position of the switch was adjusted and operations resumed at 8:56 PM.	

ERR: Event requiring report