
Inspection of the Spent Fuel Appearance and the Fuel Rack in the Spent Fuel Common Pool at Fukushima Daiichi Nuclear Power Station

December 20, 2012

Tokyo Electric Power Company

Handling of the Spent Fuel

Since the restoration of the spent fuel common pool at Fukushima Daiichi Nuclear Power Station has progressed, spent fuel handling will be started on December 21, 2012 (planned) in order to transport the spent fuel currently stored in the common pool into dry casks. The schedule is provided as follows.

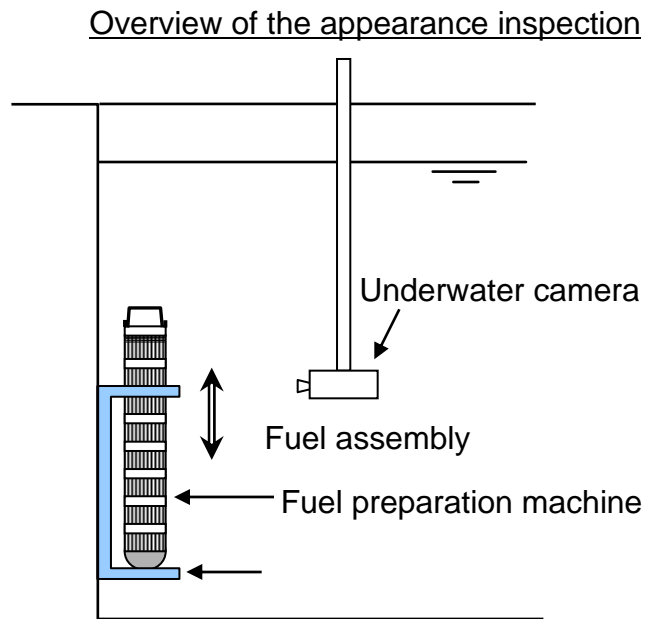
From December 21, 2012 to mid January 2013: Inspection of spent fuel appearance and the fuel rack (Fuel transport necessary for the fuel rack inspection)

	Dec. 2012	Jan. 2013		
	Late	Early	Mid	Late
Spent fuel handling in the common pool	Appearance inspection of the spent fuel			
	Fuel transport necessary for the fuel rack inspection			
			Fuel rack inspection	

Spent Fuel Appearance Inspection

The soundness of the spent fuel (the impact of the Tohoku-Chihou-Taiheiyou-Oki Earthquake) will be evaluated.

- Put the spent fuel on the fuel preparation machine installed on the pool wall and inspect the appearance utilizing an underwater camera.
- 26 (planned) out of the 6,375 spent fuels stored in the common pool will be randomly selected for inspection after sorting out by the fuel type and fuel rack type.



Fuel Rack Inspection

The soundness of the spent fuel rack (the impact of the Tohoku-Chihou-Taiheiyou-Oki Earthquake) will be evaluated in order to examine the feasibility of long-term spent fuel storage in the common pool.

- The appearance of the rack materials will be inspected and the space between the foundation bolt nut and its seating surface will be checked by utilizing an underwater camera.
- 2 (planned) out of the 76 fuel racks installed in the common pool will be randomly selected for inspection after sorting out by the fuel rack type and seismic margin.
- For the purpose of mitigating the radiation impact on the underwater camera, all the spent fuels stored in and near the racks subject to the inspection will be moved to empty racks in advance.

Overview of the appearance inspection

