

Approval to amend the Implementation Plan (Installation of ALPS Treated Water Discharge Facility) of Tokyo Electric Power Company Holdings Fukushima Daiichi Nuclear Power Station

22 July 2022

The Secretariat of Nuclear Regulation Authority

1. Overview

In this topic, the Secretariat consults the NRA Commission for the approval of the responses to

- Scientific/technical comments on the Draft Review Results Document (hereinafter referred to as “Submitted Comments”)
- Scientific/technical comments relevant to the decommissioning but not on the Draft Review Results Document (hereinafter referred to as “Relevant Comments”)

among the comments received by the NRA during the solicitation of public comments on the Draft Review Results Document, which the NRA Commission approved on 18 May 2022, on the application for approval to amend the Implementation Plan pertaining to Specified Nuclear Facility (Installation of ALPS treated water discharge facility) of Tokyo Electric Power Company Holdings Fukushima Daiichi Nuclear Power Station. The Secretariat also suggests to the NRA Commission to decide the Review Results Document which reflects the public comments as necessary, at the same time to approve the application.

2. Result of the solicitation of scientific/technical comments on the Draft Review Results Document

- (1) Period: from 19 May 2022 to 17 June 2022 (30 days)
- (2) Subject: Draft Review Results Document on the application for approval to amend the Implementation Plan pertaining to Specified Nuclear Facility (Installation of ALPS treated water discharge facility) of Tokyo Electric Power Company Holdings Fukushima Daiichi Nuclear Power Station
- (3) Number of Submitted Comments: 670 comments¹

3. Responses to Submitted and Relevant Comments

The Secretariat suggests to the NRA commission to approve the responses to the Submitted Comments as shown in Attachment 1 and the responses to the Relevant Comments as shown in Attachment 2.

In Attachment 1 and Attachment 2, the Submitted Comments and Relevant Comments are listed after being sorted and/or summarized.

All the comments received by the NRA are archived by the Secretariat and ready to be disclosed in accordance with the laws.

4. Review results

The Review Results Document is revised as Attachment 3 considering the Submitted Comments. The conclusion of the Document remains the same that the application fulfills the requirements relevant to the installation and operation of the Discharge Facility stipulated in the Regulatory

¹ Among 1233 comments received by the NRA, Submitted Comments are 670 and Relevant Comments are 323. These numbers are counted as designated by the Ministry of Internal Affairs and Communications.

Requirements² and it is also in line with the descriptions in the Government Policy relevant to the design and operation of the Discharge Facility as well as the radiological impact by discharge.

Accordingly, the Secretariat suggests to the NRA Commission to decide the Review Results as Attachment 3.

5. Approval for amendment

Considering the above, it is concluded that the application satisfies the relevant items of the Regulatory Requirements and thus is sufficient for preventing disasters to be caused by nuclear fuel materials, materials contaminated by nuclear fuel materials or nuclear reactors. Therefore, the Secretariat suggests to the NRA commission to grant an approval as Attachment 4 based on the provision of Article 64-3 (2) of the Reactor Regulation Act³.

6. Upcoming schedule

Before the start of discharge, TEPCO plans to submit an application for approval to amend the Implementation Plan pertaining to organizational structure for discharge operation, and the NRA will review the application when it is submitted.

TEPCO will also apply for pre-service inspection on the Discharge Facility based on the Article 19 of the NRA Ordinance for Fukushima Daiichi NPS⁴ and the NRA will inspect whether the equipment is installed as described in the approved Implementation Plan.

(reference) IAEA review

In the IAEA's regulatory review on discharge of ALPS treated water, the 2nd review mission is planned for the beginning of next year before the start of discharge as follow-up of the 1st review mission conducted in March this year.

- (Attachment 1) Scientific/technical comments on the Draft Review Results Document and the NRA's responses (to be approved)
- (Attachment 2) Scientific/technical comments relevant to the decommissioning and the NRA's responses (to be approved)
- (Attachment 3) Review Results Document on the application for approval to amend the Implementation Plan pertaining to Specified Nuclear Facility (Installation of ALPS treated water discharge facility) of Tokyo Electric Power Company Holdings Fukushima Daiichi Nuclear Power Station (to be decided)
- (Attachment 4) Approval to amend the Implementation Plan pertaining to Fukushima Daiichi Nuclear Power Station Specified Nuclear Facility (to be decided)
- (reference material) Review Results Document (revisions are shown in track change mode)

² Items required for measures which should be taken at Tokyo Electric Power Co., Inc.'s FDNPS in line with the Designation as the Specified Nuclear Facility

³ the Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Nuclear Reactors

⁴ NRA Ordinance for Operational Safety and Protection of Specified Nuclear Fuel Materials of the Nuclear Reactors at TEPCO's Fukushima Daiichi NPS (NRA Ordinance No.2 of 2013FY on 12 April 2013)