

**NUCLEAR REGULATORY COMMISSION**

**[Docket No. 72-39; NRC-2018-0256]**

**Connecticut Yankee Atomic Power Company**

**Haddam Neck Independent Spent Fuel Storage Installation**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Environmental assessment and finding of no significant impact; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is issuing an environmental assessment (EA) and a finding of no significant impact (FONSI) for its review and approval of the decommissioning funding plans submitted by Connecticut Yankee Atomic Power Company (CYAPCO) on December 17, 2012, and December 14, 2015, for the independent spent fuel storage installation (ISFSI) at Haddam Neck in East Hampton, Connecticut.

**DATES:** The EA and FONSI referenced in this document are available on March 6, 2019.

**ADDRESSES:** Please refer to Docket ID **NRC-2018-0256** when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2018-0256**. Address questions about NRC Docket IDs in Regulations.gov to Krupskaya Castellon; telephone: 301-287-9221; e-mail: [Krupskaya.Castellon@nrc.gov](mailto:Krupskaya.Castellon@nrc.gov). For technical questions, contact the individual listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- **NRC's Agencywide Documents Access and Management System**

**(ADAMS):** You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "[Begin Web-based ADAMS Search](#)." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). For the convenience of the reader, instructions about obtaining materials referenced in this document are provided in the **AVAILABILITY OF DOCUMENTS** section.

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

**FOR FURTHER INFORMATION CONTACT:** Pamela Longmire, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone: 301-415-7465, e-mail: [Pamela.Longmire@nrc.gov](mailto:Pamela.Longmire@nrc.gov).

## **SUPPLEMENTARY INFORMATION:**

### **I. Introduction**

The NRC is considering the approval of the decommissioning funding plans (DFPs) for the Haddam Neck ISFSI. CYAPCO submitted an initial DFP and an updated DFP for NRC review and approval by letters dated December 17, 2012 (ADAMS Accession No. ML12363A024), and December 14, 2015 (ADAMS Accession No. ML16020A209), respectively. The NRC staff has prepared a final EA (ADAMS Accession No. ML19053A429) in support of its review of CYAPCO's DFPs, in accordance with the NRC regulations in part 51 of title 10 of the *Code of Federal Regulations* (10 CFR), "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," which implement the National Environmental Policy

Act of 1969, as amended (42 U.S.C. § 4321 et seq.). Based on the EA, the NRC staff has determined that approval of the DFPs for the Haddam Neck ISFSI will not significantly affect the quality of the human environment, and accordingly, the staff has concluded that a FONSI is appropriate. The NRC staff further finds that preparation of an environmental impact statement (EIS) is not warranted.

## **II. Environmental Assessment**

### *Background*

The Haddam Neck ISFSI is located in East Hampton, Connecticut. CYAPCO is authorized by the NRC, under License No. SFGL-21, to store spent nuclear fuel at the Haddam Neck ISFSI.

The NRC requires its licensees to plan for the eventual decommissioning of their licensed facilities prior to license termination. On June 17, 2011, the NRC published a final rule in the *Federal Register* amending its decommissioning planning regulations (76 FR 35512). The final rule amended the NRC regulation, 10 CFR 72.30, which concerns financial assurance and decommissioning for ISFSIs. This regulation now requires each holder of, or applicant for, a license under 10 CFR part 72 to submit, for NRC review and approval, a DFP. The purpose of the DFP is to demonstrate the licensee's financial assurance, *i.e.*, that funds will be available to decommission the ISFSI. The NRC staff is reviewing the DFPs submitted by CYAPCO on December 17, 2012, and December 14, 2015. Specifically, the NRC must determine whether CYAPCO's DFPs contain the information required by 10 CFR 72.30(b) and 10 CFR 72.30(c) and whether CYAPCO has provided reasonable assurance that funds will be available to decommission the ISFSI.

### *Description of the Proposed Action*

The proposed action is the NRC's review and approval of CYAPCO's DFPs submitted in accordance with 10 CFR 72.30(b) and 72.30(c). To approve the DFPs, the

NRC evaluates whether the decommissioning cost estimate (DCE) adequately estimates the cost to conduct the required ISFSI decommissioning activities prior to license termination, including identification of the volume of onsite subsurface material containing residual radioactivity that will require remediation to meet the license termination criteria in 10 CFR 20.1402 or 10 CFR 20.1403. The NRC also evaluates whether the aggregate dollar amount of CYAPCO financial instruments provides adequate financial assurance to cover the DCE and that the financial instruments meet the criteria of 10 CFR 72.30(e). Finally, the NRC evaluates whether the effects of the following events have been considered in CYAPCO's submittal: (1) spills of radioactive material producing additional residual radioactivity in onsite subsurface material; (2) facility modifications; (3) changes in authorized possession limits; and (4) actual remediation costs that exceed the previous cost estimate, consistent with 10 CFR 72.30(c).

The proposed action does not require any changes to the ISFSI's licensed routine operations, maintenance activities, or monitoring programs, nor does it require any new construction or land-disturbing activities. The scope of the proposed action concerns only the NRC's review and approval of CYAPCO's DFPs. The scope of the proposed action does not include, and will not result in, the review and approval of any decontamination or decommissioning activity or license termination for the ISFSI or any other part of Haddam Neck.

#### *Need for the Proposed Action*

The proposed action provides a means for the NRC to confirm that CYAPCO will have sufficient funding to cover the costs of decommissioning the ISFSI, including the reduction of the residual radioactivity at the ISFSI to the level specified by the applicable NRC license termination regulations concerning release of the property (10 CFR 20.1402 or 10 CFR 20.1403).

### *Environmental Impacts of the Proposed Action*

The NRC's approval of the DFPs will not change the scope or nature of the operation of the ISFSI and will not authorize any changes to licensed operations or maintenance activities. The NRC's approval of the DFPs will not result in any changes in the types, characteristics, or quantities of radiological or non-radiological effluents released into the environment from the ISFSI, or result in the creation of any solid waste. Moreover, the approval of the DFPs will not authorize any construction activity or facility modification. Therefore, the NRC staff concludes that the approval of CYAPCO's DFPs is a procedural and administrative action that will not result in any significant impact to the environment.

Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 30618) (NHPA), requires Federal agencies to consider the effects of their undertakings on historic properties. In accordance with the NHPA implementing regulations at 36 CFR part 800, "Protection of Historic Properties," the NRC's approval of CYAPCO's DFPs constitutes a Federal undertaking. The NRC, however, has determined that the approval of the DFPs is a type of undertaking that does not have the potential to cause effects on historic properties, assuming such historic properties were present, because the NRC's approval of CYAPCO's DFPs will not authorize or result in changes to licensed operations or maintenance activities, or changes in the types, characteristics, or quantities of radiological or non-radiological effluents released into the environment from the ISFSI, or result in the creation of any solid waste. Therefore, in accordance with 36 CFR 800.3(a)(1), no consultation is required under Section 106 of the NHPA.

Under Section 7 of the Endangered Species Act of 1973 (16 U.S.C. § 1531 et seq.) (ESA), prior to taking a proposed action, a Federal agency must determine whether (i) endangered and threatened species or their critical habitats are known to be

in the vicinity of the proposed action and if so, whether (ii) the proposed Federal action may affect listed species or critical habitats. The NRC has determined that the proposed action will have no effect on any listed species or their critical habitats because the NRC's approval of CYAPCO's DFPs will not authorize or result in changes to licensed operations or maintenance activities, or changes in the types, characteristics, or quantities of radiological or non-radiological effluents released into the environment from the ISFSI, or result in the creation of any solid waste.

#### *Alternative to the Proposed Action*

In addition to the proposed action, the NRC evaluated the no-action alternative. The no-action alternative is to deny CYAPCO's DFPs. A denial of a DFP that meets the criteria of 10 CFR 72.30(b) or 72.30(c) does not support the regulatory intent of the 2011 rulemaking. As noted in the EA for the 2011 rulemaking (ADAMS Accession No. ML090500648), not promulgating the 2011 final rule would have increased the likelihood of additional legacy sites. Thus, denying CYAPCO's DFPs, which the NRC has found to meet the criteria of 10 CFR 72.30(b) and 72.30(c), will undermine the licensee's decommissioning planning. On this basis, the NRC has concluded that the no-action alternative is not a viable alternative.

#### *Agencies and Persons Consulted*

The NRC staff consulted with other agencies and parties regarding the environmental impacts of the proposed action. The NRC provided a draft of its EA to the Connecticut Department of Energy and Environmental Protection (State) by letter dated September 2, 2016 (ADAMS Accession No. ML17139C482), and gave the State 30 days to respond. The State did not respond. The NRC also consulted with the Fish and Wildlife Service by letter dated September 2, 2016 (ADAMS Accession No. ML16250A476). However, the NRC staff has determined that consultation under ESA Section 7 is not required because the proposed action is administrative/procedural in

nature and will not affect listed species or critical habitat (ADAMS Accession No. ML17135A062).

### **III. Finding of No Significant Impact**

The NRC staff has determined that the proposed action, the review and approval of CYAPCO's initial and updated DFPs, submitted in accordance with 10 CFR 72.30(b) and 72.30(c), will not authorize or result in changes to licensed operations or maintenance activities, or changes in the types, characteristics, or quantities of radiological or non-radiological effluents released into the environment from the ISFSI, or result in the creation of any solid waste. Moreover, the approval of the DFPs will not authorize any construction activity, facility modification, or any other land-disturbing activity. The NRC staff has concluded that the proposed action is a procedural and administrative action and as such, that the proposed action will not have a significant effect on the quality of the human environment. Therefore, the NRC staff has determined not to prepare an EIS for the proposed action but will issue this FONSI.

### **IV. Availability of Documents**

The following documents, related to this notice, can be found using any of the methods provided in the following table. Instructions for accessing ADAMS were provided under the **ADDRESSES** section of this document.

<b>Date</b>	<b>Document</b>	<b>ADAMS Accession No.</b>
December 17, 2012	Submission of CYAPCO decommissioning funding plan	ML12363A024
December 14, 2015	Submission of CYAPCO triennial decommissioning funding plan	ML16020A209
February 1, 2009	Environmental Assessment for Final Rule - Decommissioning Planning	ML090500648
May 15, 2017	Note to File re Sct 7 Consultations for ISFSI DFPs	ML17135A062
September 2, 2016	Consultation Letter: ML16250A526-RLSO	ML17139C482
September 2, 2016	Letter to M. Miller re: U.S. Nuclear Regulatory Commission Preliminary Determination of No Effects Regarding the Haddam Neck Plant Independent Spent Fuel Storage Installation Decommissioning Funding Plan	ML16250A476
February 20, 2019	NRC staff's Final EA for the approval of the decommissioning funding plan	ML19053A429

Dated at Rockville, Maryland, this 28<sup>th</sup> day of February, 2019.

For the Nuclear Regulatory Commission.

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