



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 3, 2021

Mr. Jerry Low, Contracting Officer
U.S. Department of the Navy,
Naval Sea Systems Command
1333 Isaac Hull Avenue, SE
Washington Navy Yard 20376-0001

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION RECOMMENDATION TO
APPROVE PROPOSED DECOMMISSIONING WORK PLAN FOR THE
SURFACE SHIP SUPPORT BARGE, CONTRACT
N00024-20-C-4139

Dear Mr. Low:

In accordance with the interagency agreement between the U.S. Department of the Navy, Naval Sea Systems Command (NAVSEA) and the U.S. Nuclear Regulatory Commission (NRC), NRC staff have completed review of the Surface Ship Support Barge (SSSB) proposed Decommissioning Work Plan (DWP), submitted on April 7, 2021, as supplemented on May 10, 2021 (NRC Agencywide Document Management System [ADAMS] Accession Nos. ML21097A263 and ML21130A576, respectively). APTIM Federal Services, LLC (APTIM) has submitted a revised DWP for NAVSEA approval which, consistent with the terms of the interagency agreement, has undergone a technical review by NRC staff.

As discussed in the attached technical evaluation report, NRC staff have determined that the DWP, as supplemented, establishes a program for dismantlement and decommissioning of the SSSB that would be in accordance with NRC regulations and recommends NAVSEA approval. The attached technical evaluation notes a list of commitments made by APTIM as part of their DWP submittal that will be confirmed by the NRC during oversight of decommissioning activities. These commitments are:

- Update the DWP Radiological Constituents of Potential Concern (RCOPCs) and their relative abundances based on the results of characterization of representative samples, including waste samples
- Confirm the RCOPCs appropriately capture any potentially significant radionuclides
- Confirm that the dose contribution from tritium is negligible
- Monitor effluents to confirm there is no groundwater and no surface water contamination
- Maintain constant negative pressure ventilation in areas with loose or unpackaged contamination to control possible contaminated particles

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <https://www.nrc.gov/reading-rm/adams.html>.

If you have any questions on this recommendation, please contact Ted Smith at Theodore.Smith@nrc.gov, 301-415-6721.

Sincerely,



Pham, Bo signing on behalf
of Holahan, Patricia
on 06/03/21

Patricia K. Holahan, Director
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

Enclosure:
SSSB DWP Technical Evaluation Report

cc: S. Picard, NAVSEA
H. Duff, NAVSEA

SSSB DWP Review DATE June 3, 2021

DISTRIBUTION:

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ADimitriadis, R-I/DNMS/DIRHB

KWarner, R-I/DNMS/DIRHB

ADAMS Accession No.: ML21141A034; Ltr ML21141A035

*** via email**

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DATE	May 21, 2021	May 21, 2021	Jun 2, 2021	Jun 3, 2021

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