

MEMORANDUM OF UNDERSTANDING BETWEEN THE MINISTRY OF TRADE,
INDUSTRY AND FISHERIES OF THE KINGDOM OF NORWAY AND THE
DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA FOR
COOPERATION ON THE DOWNBLENDING OF ALL HIGHLY ENRICHED URANIUM
IN NORWAY

I. Purpose

1. This Memorandum of Understanding (MOU) reaffirms the actions that the Ministry of Trade, Industry and Fisheries of the Kingdom of Norway (MTIF) and the Department of Energy of the United States of America (DOE), hereinafter the "Participants", each intend to take to eliminate Norway's highly enriched uranium (HEU), including through the use of the Mobile Melt-Consolidate system (MMC), developed by the DOE.
2. Cooperative activities under this MOU are expected to be consistent with a detailed plan to be developed under the auspices of the Statement of Intent between the United States Department of Energy's National Nuclear Security Administration on the One Side, and Norway's Institute For Energy Technology and Norwegian Nuclear Decommissioning on the Other Side Concerning Minimization of Highly Enriched Uranium, signed on October 20, 21 and 27, 2020. The United States Department of Energy's National Nuclear Security Administration, Norway's Institute For Energy Technology, and Norwegian Nuclear Decommissioning are hereinafter referred to as the "Implementing Agencies".
3. This document does not create any legally binding obligations between the Participants, but reflects the intentions of the Participants.

II. Downblending and Consolidation of HEU

1. The Participants intend to work cooperatively, through the Implementing Agencies, to eliminate all of Norway's HEU by downblending it to low-enriched uranium (LEU). This includes, but is not limited to, preparing safety documentation; preparing facility modifications; carrying out characterization activities; assessing safeguards termination; arranging physical protection measures in the most efficient and effective way to enable the

downblending and consolidation of all materials; and the downblending itself.

2. The Participants intend to prioritize the use of MMC for HEU ahead of other materials. This is not intended to preclude MTIF from carrying out other material processing activities unconnected with this effort as part of its decommissioning needs.
3. The Participants intend to start downblending the unirradiated HEU to LEU in the existing shielded cells at Kjeller in 2022; this is not intended to preclude processing these materials using MMC.
4. The Participants intend to start downblending the irradiated HEU to LEU, and other materials as jointly determined, using MMC in 2023.
5. Implementation of the downblending activities contemplated in this MOU is expected to be subject to the issuance of necessary licenses consistent with applicable laws and regulations in Norway and the completion of appropriate documentation, including, as relevant, the issuance of DOE approvals for such activities. Norwegian Implementing Agencies are expected to be responsible for application for necessary licenses in Norway.

III. Ownership of MMC

1. The Participants intend to document the ownership arrangements for the MMC system prior to its shipment to Norway.

IV. Cost-sharing

1. The Participants intend to share costs for activities under this MOU, subject to the availability of funds, as summarized below:
 - a) Costs intended to be borne by DOE
 - Technical support from U.S. national laboratories, including support for MMC licensing and use in Norway; and
 - Development, design, and manufacturing of MMC.
 - b) Costs intended to be borne by MTIF and/or other Norwegian entities

- Norwegian Implementing Agencies staff labor and that of their subcontractors;
- Facility modifications;
- Transport of MMC to, from, and within Norway; and
- Consumable materials, including costs for replacement and disposition of contaminated equipment.

2. Option to Purchase MMC

- a) Should the ownership arrangements referenced in paragraph III.1 of this MOU involve the purchase of MMC from DOE, DOE intends to offer the sale of the MMC at the replacement cost of the MMC system at the time the ownership arrangements are concluded.

V. General Considerations

1. The Participants, through the Implementing Agencies, intend to define terms and conditions necessary to carry out the workscope requiring MMC prior to its shipment to Norway.
2. Any matter not described herein is expected to be determined through mutual consultation between the Participants in good faith.

VI. Duration, Modification and Discontinuation

1. Activities under this MOU may commence upon signature by both Participants and may continue until all of Norway's HEU has been eliminated, unless earlier discontinued in accordance with paragraph VI.3.
2. This MOU may be modified by mutual consent of the Participants in writing.
3. The Participants may discontinue participation in this MOU at any time by mutual consent in writing. Alternatively, a Participant seeking to discontinue its participation in cooperative activities under this MOU should endeavor to provide six (6) months advance written notice to the other Participant.

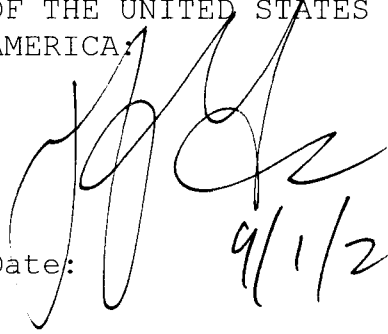
Signed in duplicate.

FOR THE MINISTRY OF TRADE,
INDUSTRY AND FISHERIES OF THE
KINGDOM OF NORWAY:

Jacobsen
Date: 3/9/21

Place: Oslo

FOR THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF
AMERICA:


Date: 9/1/21

Place: Washington, D.C.