

Handläggare – Matter handled by
Carolina Losin

Vår referens – Our reference
Project SPARE

Datum - Date
2019-11-20

Phone +46 155 22 14 78
Carolina.losin@studsvik.com

Er referens – Your reference

Ert datum – Your date

Multilateral project SPARE

Background

As a consequence of the Halden reactor shut down in 2018 and planned decommissioning of IFE's PIE facilities all fuel tested within the Halden Reactor Project (HRP) is risking becoming waste after 2020.

The multilateral project SPARE is proposed by Studsvik as a joint effort among the nuclear industry to secure the highest priority HRP fuel for future research and experiments in a cost-efficient way.

Scope of work

Within project SPARE two fuel transports from Norway to Sweden with a maximum total amount Uranium of 14 kg (~ 28 m fuel rods) are proposed using Studsvik's licensed 14ton-cask. Storage in Hot cell at Studsvik until 2026, with option to prolong, and final storage in Sweden after performed tests is included.

Basic PIE with rod/sample condition verification upon reception is required as a minimum to fulfill Studsvik's permit for importing foreign fuel. This will include visual inspection and gamma scanning, fission gas release measurements for any intact segments.

A SPARE project steering group will be formed deciding over the fuel's future use once at Studsvik.

Project SPARE is proposed to be managed by Studsvik with support from IFE/HRP supplying the materials.

Indicative time schedule

Immediate actions are required from the industry to ensure securing a selection of the HRP fuel since the license for the Studsvik 14ton-cask is expiring in December 2020 and Norwegian Nuclear Decommissioning (NND) are to take over the responsibility of IFE's nuclear facilities in 2021.

A workshop for selecting and prioritizing HRP fuel to be saved is proposed for early 2020. Terms for the SPARE project and contracting with the project members to be finalized by Q2 2020 to allow transports during the second half of 2020.

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Indicative price

The total indicative price for project SPARE is 1 000 000 € excluding in-kind contribution from Studsvik of 100 000 € as support to the project.

Contact person

Should you have any comments to the SPARE proposal please address them to Carolina Losin phone +46 155 22 14 78, e-mail Carolina.losin@studsvik.se

We hope you find participating in project SPARE interesting and look forward to a positive declaration of interest from your organization.

STUDSVIK NUCLEAR AB
President

Joakim Lundström