

Title (en)
METHOD FOR LONG TERM DEPOSIT

Title (de)
VERFAHREN FÜR LANGZEITABLAGERUNG

Title (fr)
PROCEDE DE STOCKAGE À LONG TERME

Publication
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Application
EP 10814026 A 20100827

Priority
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• SE 2010050921 W 20100827

Abstract (en)
[origin: WO2011028165A1] The present invention relates to a method for long-term storage of at least one canister containing spent nuclear fuel, said method comprising the steps of: a) placing the canister (1) in a storage space (12) located below the ground water level (20); b) embedding the canister (1) in the storage space (12) in a buffer material (5) such as clay, for example bentonite clay, and/or sand, for example quartz sand; wherein the method also comprises the step of c) supplying water to the storage space (12) containing the canister (1) embedded in the buffer material (5), so that the storage space (12) is actively saturated with water at a rate of saturation exceeding the natural saturation process. The invention also relates to a device for long-term storage.

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Citation (third parties)
Third party :
• ENGINEERED BARRIER SYSTEMS AND THE SAFETY OF DEEP GEOLOGICAL REPOSITORIES, 2003, ISBN: 92-64-18498-8, pages: 1 - 72, XP003035609
• SAANIO ET AL: "KBS-3H DESIGN DESCRIPTION 2005", JORIMA AUDIO, May 2008 (2008-05-01), pages 1 - 92, XP003035610
• PASTINA B. ET AL: "POSIVA REPORT", May 2006, ISBN: 951-652-145-2, article "EXPECTED EVOLUTION OF A SPENT NUCLEAR FUEL REPOSITORY AT OLKILUOTO", pages: 405, XP003035616

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