

No.

Cleared by,
Laurentiu Nicolae Cazan
Chairman of the Board of Directors

Note

providing information to the General Meeting of Shareholders about the decision to invest in the project “Modification of system 79210 by installing an additional decontamination subsystem for liquid radioactive waste”

I. Approval Powers

By reference to:

- The provisions of Article 20(2) of SNN’s Articles of Association, as updated (18 December 2025) (“The Board of Directors has powers to clear/approve contracts, loans and various other Company operations, according to the power limits set out in the Appendix to these Articles of Association”), read in connection with paragraph 2 of Appendix 1, lead to the conclusion that the investment decisions with an amount higher than or equal to EUR 3,000,000, but lower than EUR 50,000,000 **shall be approved by the SNN Board of Directors, subject to subsequent information of the General Meeting of Shareholders;**
- The total amount of the investment is **RON 29,867,614.80**, equivalent to **EUR 5,810,820**, an amount that will be financed from own resources and will be included in the first revision of SNN’s Investment Programme;
- The fact that in accordance with the provisions of SNN Procedure - *Preparation, Approval and Monitoring of the Programme of Investments, Facilities and Financing Sources* - the project qualifies as an investment project, for the purposes of the definition provided in the Procedure,

This Note is intended to provide the General Meeting of Shareholders with information about the decision to invest in the project **“Modification of system 79210 by installing an additional decontamination subsystem for aqueous liquid radioactive waste.”**

II. Background

The aqueous liquid radioactive waste resulting from the Cernavoda NPP operating and maintenance activities is managed by the Liquid Radioactive Waste Handling System. During certain maintenance activities on radioactive equipment and systems, decontamination of components/assemblies of the fuel loading/unloading machine, decontamination of some components from the primary circuit or moderator, certain quantities of aqueous liquid waste

with high radioactivity are generated. After being collected in this system's tanks, this waste is mixed with the liquid waste produced by the other activities in the Power Plant, generating cubic meters of radioactive waste which, in certain situations, exceeds the limits allowed for discharge through the Liquid Effluents Monitor to the discharge channels.

In these situations, within the Liquid Radioactive Waste Handling System, a decontamination unit (the current subsystem) is provided according to the design, which has the role of reducing the radioactivity level in the processed liquid effluent below the discharge value, in order to comply with the provisions of the "Radioactive Effluent Monitoring Program" procedure and the "Filtration and decontamination of liquid radioactive waste" operating procedure.

The current subsystem has an integrated function both of mechanical filtration and of radionuclide storage by means of ion-exchange resin. The subsystem proposed for installation will separate these two filtration stages, leading to increased efficiency and thus ensuring decontamination of much larger quantities of aqueous liquid radioactive waste and a reduction in the volume of spent resin generated, compared with the volume of waste resulting from the current subsystem. Moreover, this subsystem replaces the use of the current subsystem, so both decontamination subsystems will not be used at the same time.

The operating analysis has shown that, for effluents with high contamination levels, successive decontamination operations are required, the efficiency of the process being limited by the low ion-exchange capacity of the ECODEx resin.

It has also been found that there is low efficiency in the retention of Iodine-131 and Cesium-137 radionuclides, frequently identified in the liquid effluents resulting from activities such as: discharging the Fuel suspected of being defective, cleaning the heat exchangers and cleaning the mechanical filters of the Cooling and Purification System of the Spent Fuel Storage Pool, due to low retention efficiency within the system. As a result of the limited efficiency of the existing system for filtering the liquid radioactive waste at the Cernavoda NPP, situations arise when their discharge is not possible under normal operating conditions.

III. Need for, and Advisability of, the Project

Rehabilitation of the Liquid Radioactive Waste Handling System by installing a decontamination subsystem for aqueous liquid radioactive waste, independent of the current decontamination subsystem, maintains the current technological solution, which consists of mechanical filtration and passage through ion-exchange resins.

The filtration subsystem with ion-exchange columns and filters will ensure a significant improvement in the efficiency of the existing technological decontamination solution by:

- *decontaminating the aqueous liquid radioactive waste generated both before – for preparation works, and during the Refurbishment of Unit 1;*
- *processing a larger volume of aqueous liquid radioactive waste in a shorter time;*
- *increasing the efficiency of decontaminating the radionuclides present in the aqueous liquid radioactive waste generated in NPP operating activities for the new life cycle;*
- *reducing the quantity of resin resulting from the process of decontaminating aqueous liquid radioactive waste compared with the current subsystem.*

IV. Project Description

The purpose of the investment project is to install a decontamination subsystem for aqueous liquid radioactive waste, which will complete the radioactive liquid waste management system – the decontamination part. The proposed subsystem will carry out decontamination by means of ion-exchange columns and specialized mechanical filters.

Project Implementation Strategy

Item no.	Milestone name	Proposed milestone time (month, year)
1	Approval of a Major Design Change and Concept Note (CTE)	May 2026
2	Approval of a Major Design Change and Concept Note (CTES)	May 2026
3	Approval of a Major Design Change and Concept Note (BoD)	June 2026
4	Preparation and approval of Procurement Initiation Documentation	August 2026
5	Preparation of the Procurement Documentation, publication in SEAP, conduct of the procurement procedure	October 2026
6	Contract signing	January 2027
7	Issuance of the detailed Engineering Design (external) and issuance of the DAR (Design Acceptance Report)	May 2027
8	Issuance of the internal NPP engineering design (DRP/DDRP), issuance of the Work Plan (PL), implementation documentation package (MWP) – NPP Issuance of quality plans – Contractor	July 2027
9	Execution of works + decontamination subsystem + spare parts and consumables	August 2027
10	Taking over the works and closing the project	October 2027

The project implementation strategy, as it is currently envisaged, has been devised in accordance with the project schedule, with the stages correlated with the plan to be approved in SNN.

Investment Amount

The total amount of the investment is RON 29,867,614.80, equivalent to EUR 5,810,820 at the exchange rate of 1 EUR = 5.14 RON as of 30 April 2026, it being noted that this amount will be fully financed from own resources and will be included in the first revision of SNN's Investment Programme.

V. Proposals submitted for information to SNN GMS

In light of the above, we kindly ask the General Meeting of Shareholders to take note of the SNN Board of Directors' decision to approve the investment decision for the project “Modification of system 79210 by installing an additional decontamination subsystem for liquid radioactive waste”, subject to the conditions detailed in this Information Note.

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