



Contribution ID: 188

Type: **Poster**

Cernavoda NPP - Management of Spent Fuel

Tuesday, 25 June 2019 16:15 (15 minutes)

The nuclear policy of Romania encompasses the development and use of nuclear energy and other nuclear fuel cycle activities, as well as oversight of the development and enforcement of nuclear legislation and regulations to ensure that all nuclear activities are strictly regulated and controlled to the highest standards to ensure public health and safety.

Romania has only one nuclear power plant, Cernavoda NPP, with two units in operation. Cernavoda NPP Units 1 and 2 cover approximately 18% of Romania's total energy production. The Government has plans to further increase nuclear generating capacity through the commissioning of Units 3 and 4 of the Cernavoda NPP.

The dry storage facility will consist of 27 seismically qualified MACSTOR 200 modules. At present 9 modules are built and in operation. The spent fuel from both operating units will be stored in the MACSTOR 200 modules for minimum 50 years. After this interval the fuel will be transferred to a future disposal facility, whose location and design is not currently decided.

Do you wish to enter the YGE SFM19 Challenge?

Country or International Organization

Romania

Primary author: CHIREA, Gheorghe Marius (CNE CERNAVODA)

Presenter: CHIREA, Gheorghe Marius (CNE CERNAVODA)

Session Classification: Track 2 Poster Session (2)

Track Classification: Track 2: Spent Fuel and High Level Waste storage and subsequent transportability