

INTERNATIONAL ATOMIC ENERGY AGENCY



INIS Section

INFORMATION NOTE

Dear User,

The title of this document has erroneously entered the INIS Database as:  
**'National radioactive wasterRepository Mochovce'**.

The correct full title is: **'National radioactive waste repository Mochovce'**.

We will rectify this error in the INIS Database accordingly.

We apologize for the inconvenience this has caused.

Inquiries should be mailed to:

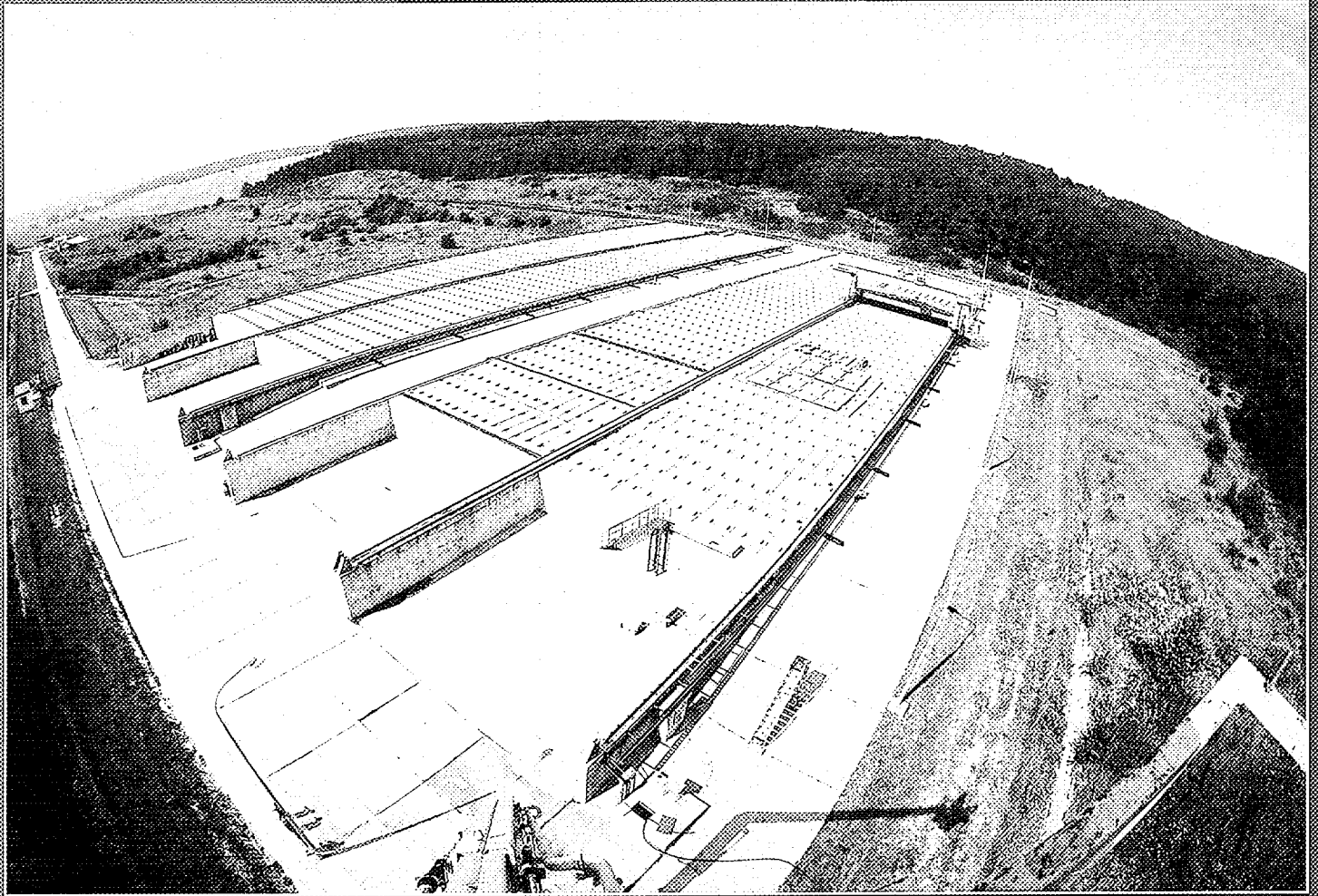
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# NATIONAL RADIOACTIVE WASTE REPOSITORY MOCHOVCE



SK00K0379



DECOMMISSIONING OF THE NUCLEAR INSTALLATIONS,  
RADIOACTIVE WASTE AND SPENT FUEL MANAGEMENT  
JASLOVSKÉ BOHUNICE

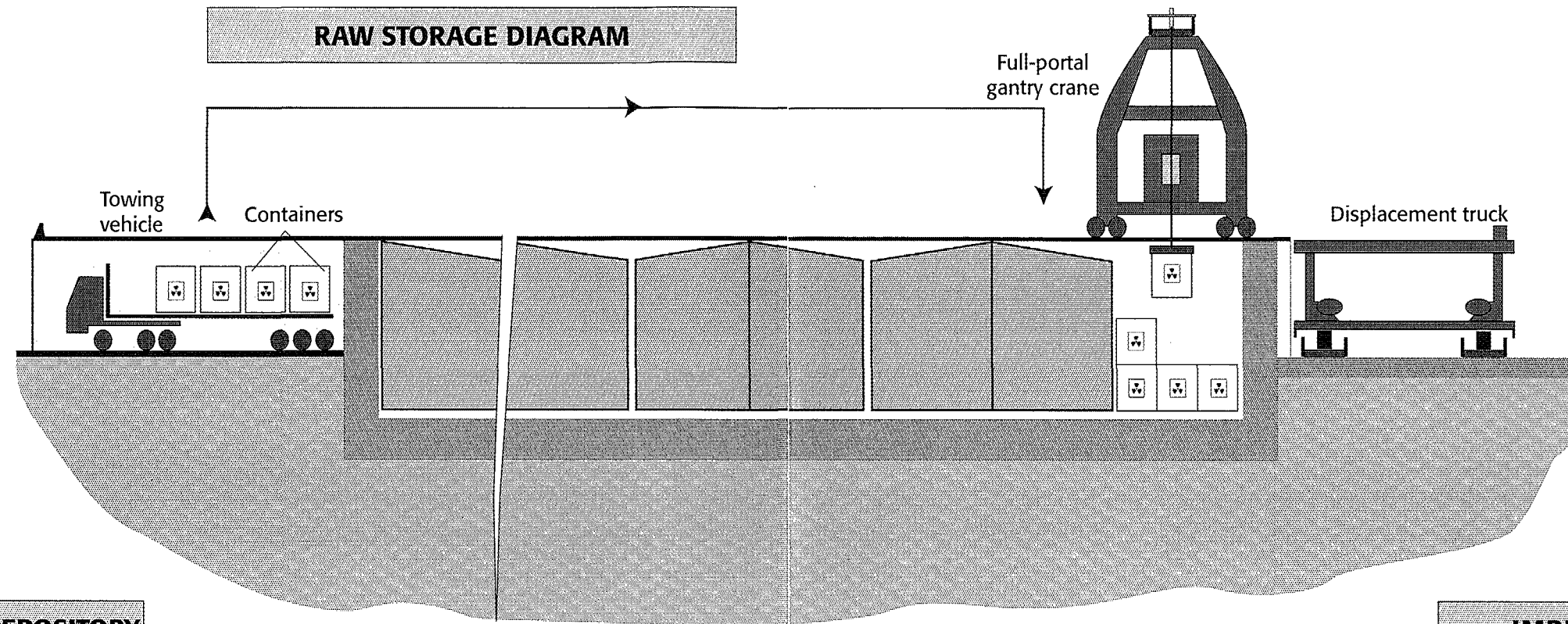


SLOVENSKÉ  
ELEKTRÁRNE

# NATIONAL RADIOACTIVE WASTE REPOSITORY FOR THE SLOVAK REPUBLIC

## REPOSITORY PURPOSE

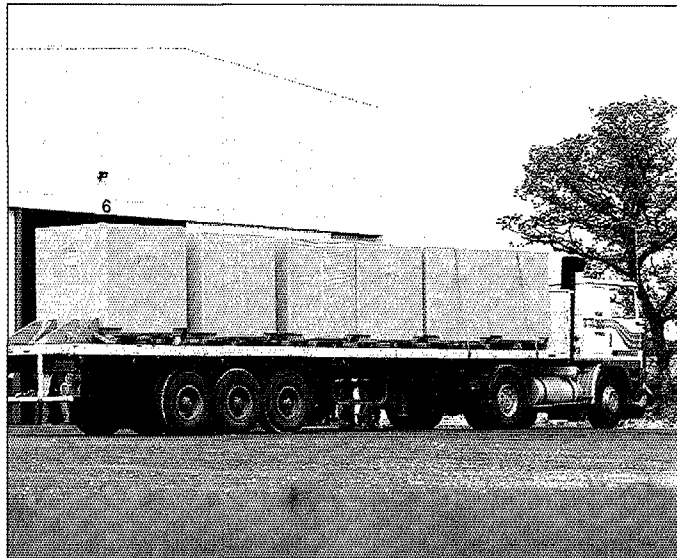
The National Radioactive Waste Repository in Mochovce is a surface type storage facility. It is intended for final disposal of solid and solidified low and intermediate radioactive waste (RAW) produced during the operation of nuclear power plants and institutions located within the territory of the Slovak Republic. The Repository site is situated about 2 km northwest to the Nuclear Power Plant Mochovce.



## SAFETY ASPECTS

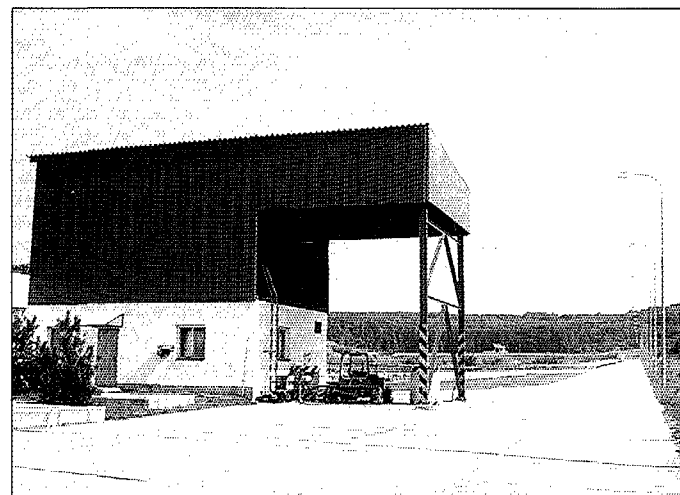
The radioactive waste storage at the Repository site provides the final waste disposal while respecting human and environmental protection requirements. The basic safety requirement imposed on the Repository is that during its operations and institutional supervision no release of radioactive nuclides into the environment is permissible in order not to increase radiation exposure over the values specified by regulations.

## TRANSPORT OF RAW TO THE REPOSITORY



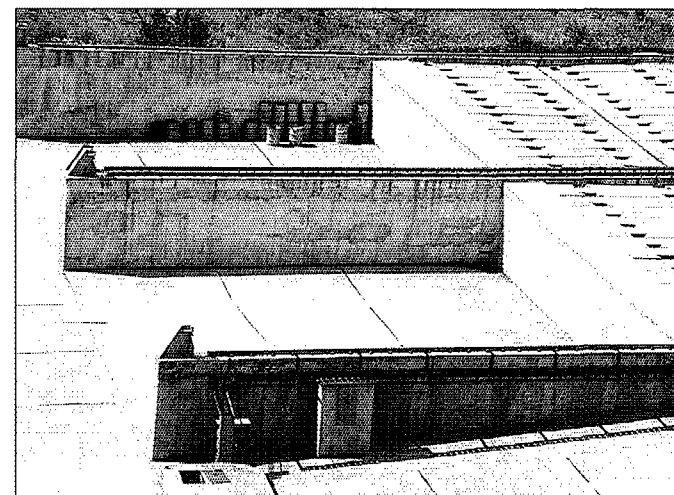
After arrival of the transport vehicle to the Repository site the operator receives the accompanying documentation for each RAW container from the vehicle driver, he checks up the documentation for completeness and compliance with the Technical Specifications and he records label data of each fibre concrete container using a sensor. Subsequently the operator compares label data marked on individual RAW packages with the data included in the accompanying documentation.

## RAW ACCEPTANCE TO THE REPOSITORY



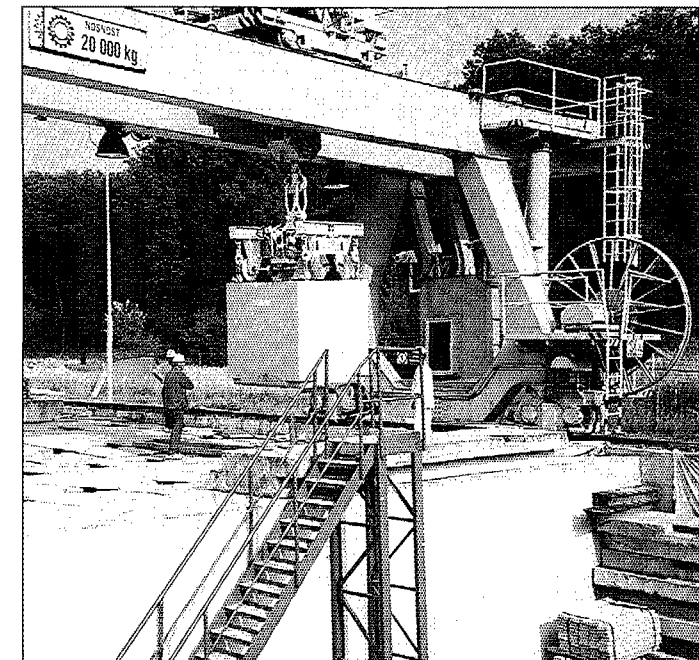
RAW is accepted and stored in the fibre reinforced concrete containers on the Repository site. The treated RAW is fixed in the containers in concrete matrix.

## RAW TRANSFER TO STORAGE BOXES



After the checks have been completed the transport vehicle carrying containers moves to the storage location to unload containers into the specified location within the storage box.

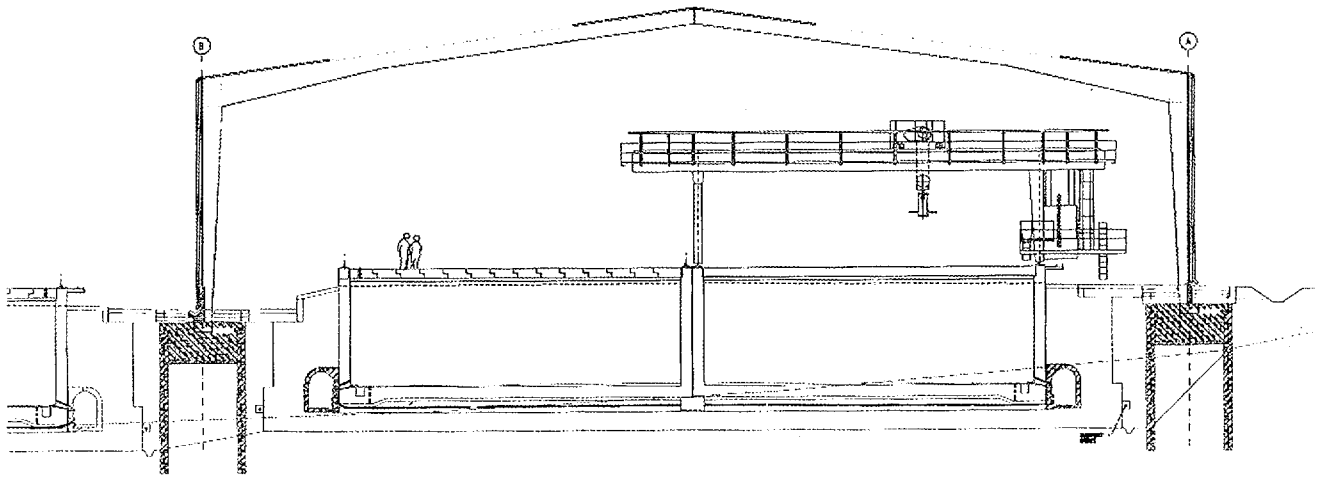
## IMBEDDING RAW INTO BOXES



Imbedding into boxes is performed by appropriate handling means – a full-portal gantry crane equipped with a grip device.



## Cross Section of the Repository Facility



### Drainage Water Treatment

- drainage water pumped from the original drainage layer
- water pumped directly from the storage boxes
- monitored drainage system
- ☒ activity supervision
- ⊖ pump

