

THERMO-MECHANICAL MODELLING OF A SIMULATED HIGH-LEVEL WASTE REPOSITORY IN SALT

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ABSTRACT

Thermo-mechanical coupled phenomena due to heat generated by radioactive waste in salt formations with caverns are studied with explicit computer codes PR2D-PR3D¹. Results for 2 and 3-D analyses are compared with measurements taken at Asse Mine, FRG. The suitability of the above codes for such modelling as well as the dominance of thermal expansion effects on the solution are concluded.

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