

CONSTRUCTION OF A BULKHEAD AND MEASUREMENT UNDER BRINE PRESSURE

by

W.R. Fischle

Gesellschaft für Strahlen- und Umweltforschung München mbH

and

W.H. Stöver

Kavernen Bau- und Betriebs-GmbH

I. Introduction

The intrusion of water or brine into a final repository for radioactive waste in salt rock is regarded as the greatest hypothetical accident scenario.

The most crucial aspect is the prevention of dispersal of the dissolved radionuclides into the biosphere. Special plugs or seals in addition to the natural barriers of the host rock and caprock play a significant role in preventing the escape of nuclides through cavities.