

Operational experience from SFR – Final repository for low- and intermediate level waste in Sweden

Marie Skogsberg SKB and Roger Ingvarsson FKA, Sweden



Operational experience from SFR – Final repository for low- and intermediate level waste in Sweden

- Introduction
- Operational experience compared to design phase assumption
- Radiation protection
- Reported incidents

Key data of SFR

- Disposal capacity: 63 000 m³
- Construction start: 1983
- Operation start: 1988
- Receiving: about 1000 m³
- Disposed volume Sept. 2006: 31 500 m³
- Operational personnel: about 12 persons
- Owner: SKB
- Operation and maintenance: Forsmark power group

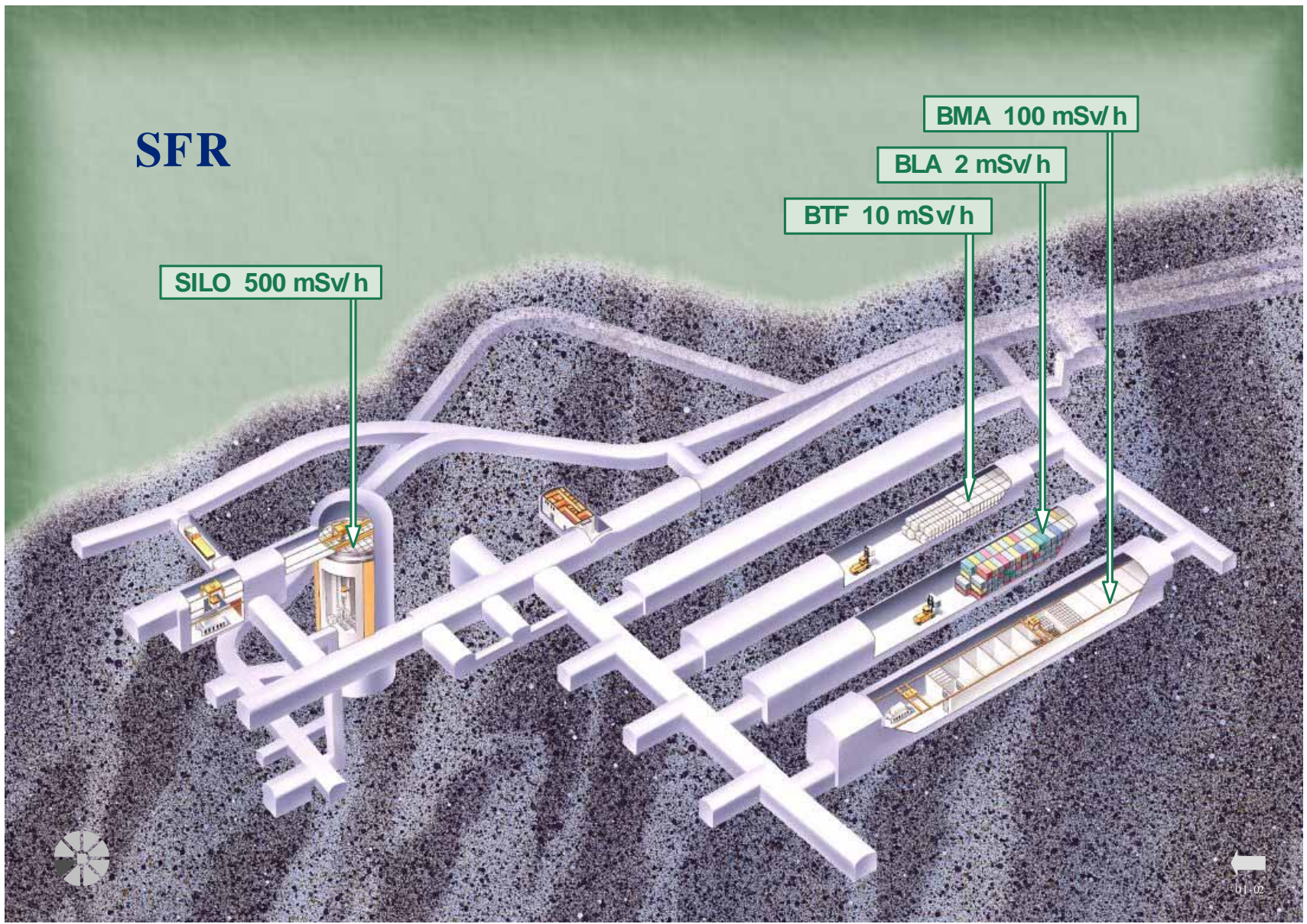
SFR

SILO 500 mSv/h

BTF 10 mSv/h

BLA 2 mSv/h

BMA 100 mSv/h



BLA – Cavern for low level waste





BMA – Cavern for intermediate level waste



Silo for intermediate level waste



Experience of volumes at SFR

- Designed for receiving 30 m³ waste/day - today the disposed volume are about 1000 m³/year
- Expansion plans for totally 90 000 m³ – today the volume 63 000 m³ is enough for the hole operational period

Electrically operated transport vehicle

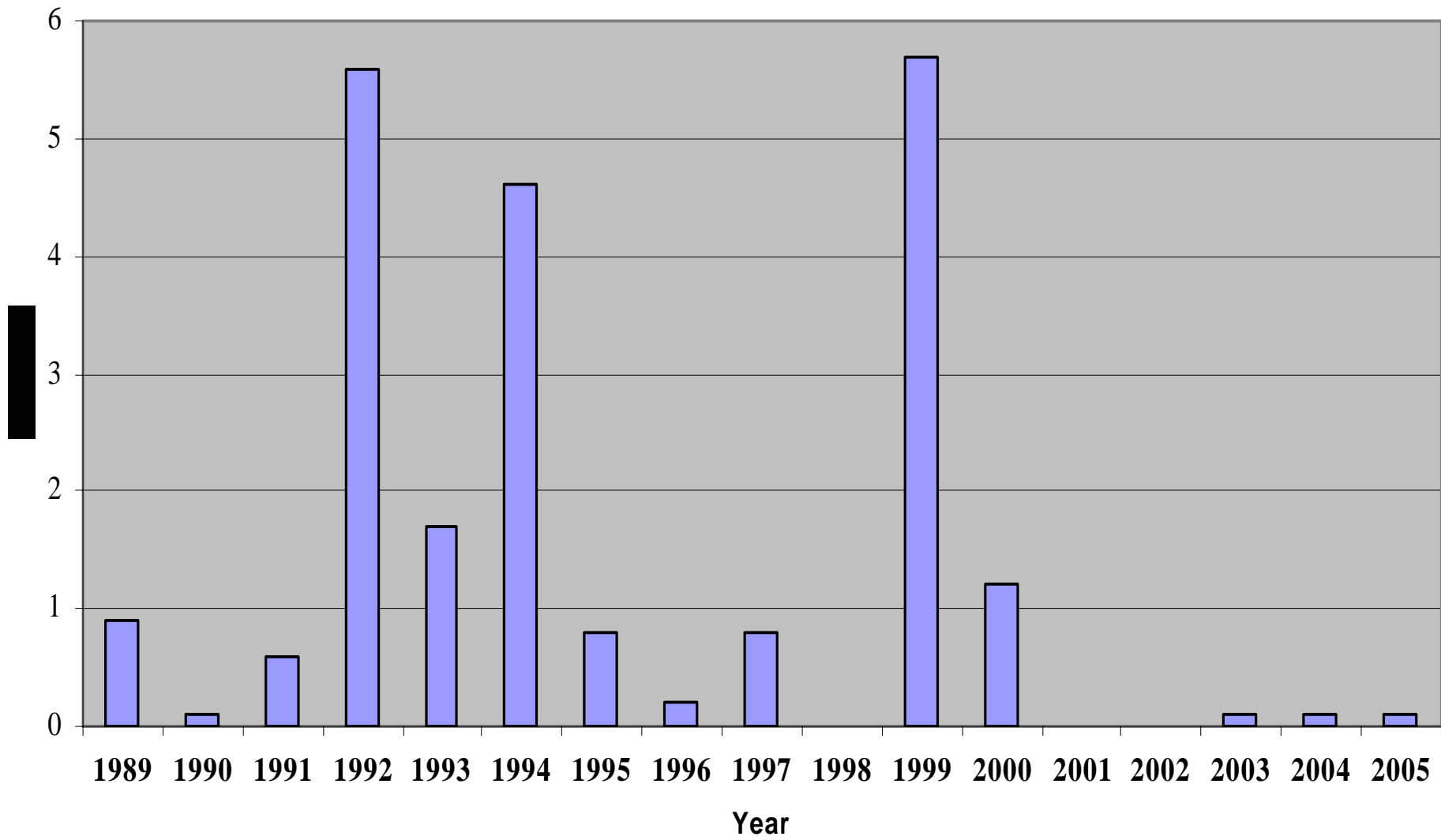


The slope down to the repository



Corrosion





Contaminated transportcontainer



Contamination in drainage water

