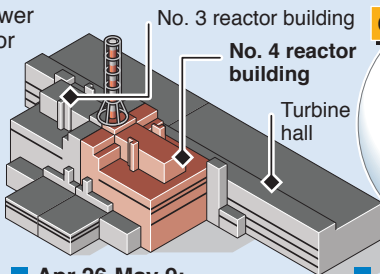


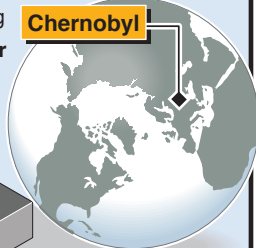
Chernobyl's new safe confinement

The Chernobyl reactor – scene of the world's worst nuclear disaster – is to be entombed in a giant steel shelter. A \$642 million structure will replace the crumbling concrete sarcophagus erected after the 1986 accident

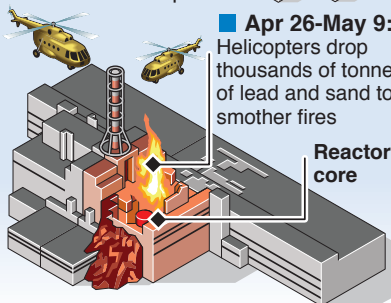
■ Apr 26, 1986: Power surge in No. 4 reactor causes explosions, destroying core and blowing off building roof. Radioactive cloud causes 4,000 cancer deaths in Ukraine, Belarus, Russia and Europe



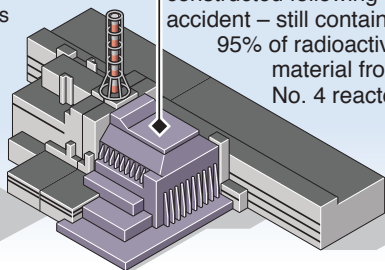
Chernobyl



■ Apr 26-May 9: Helicopters drop thousands of tonnes of lead and sand to smother fires



■ Sarcophagus: Hastily constructed following accident – still contains 95% of radioactive material from No. 4 reactor



Plant's other three reactors shut down in 2000

■ New Safe Confinement: Will enclose ruin for up to 100 years

Dimensions

Span: **275m**

Height: **150m**

Length: **150m**

NSC to be built in sections and slid into place on teflon-coated rails

Multiple-layer end walls will seal NSC around plant building and sarcophagus

