

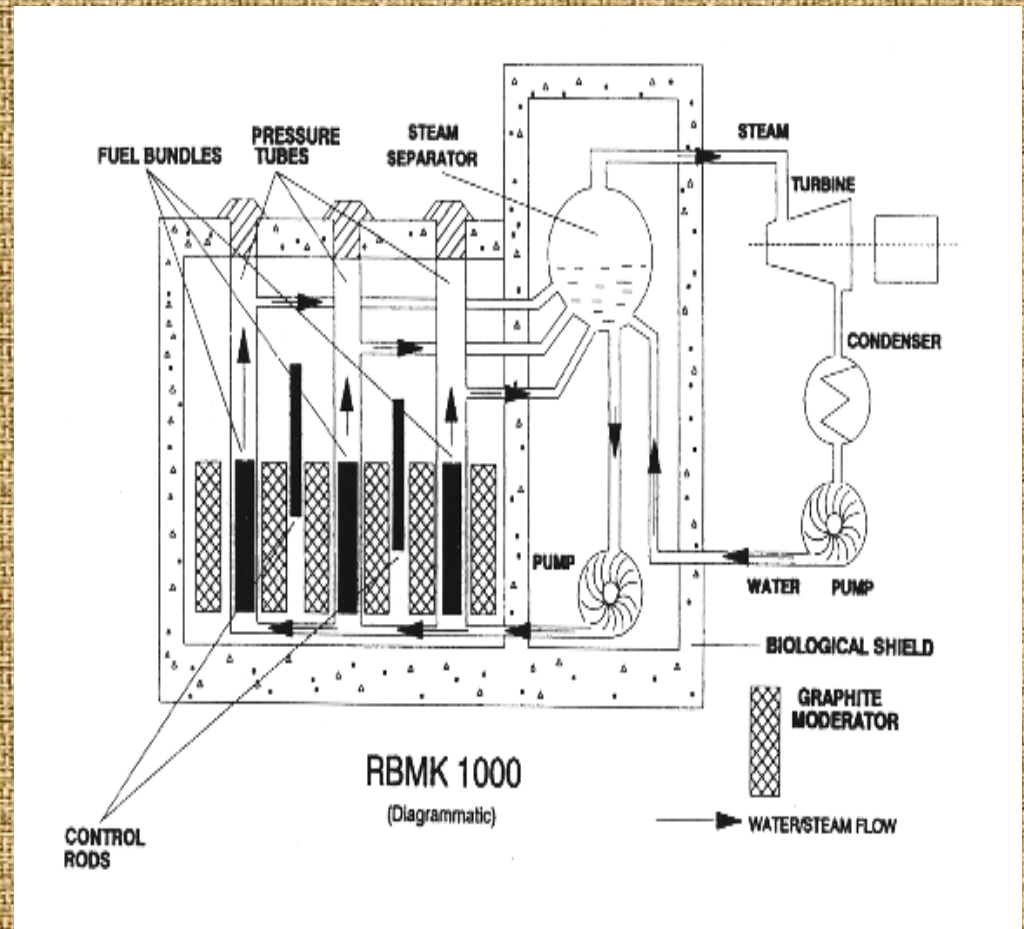
Chernobyl What Really Happened?

By, Joey Napoletan



What is Chernobyl

- Home of a 6 reactor nuclear power plant
- 2 reactors under construction
- Worst nuclear power plant disaster in history, in 1986



Where is Chernobyl?



- 20 mi from the border of Belarus in the Ukraine
- Just outside the town of Prip'yat



What Happened?

- Scheduled shut down set to commence April 25, 1986
- Operators decided cutting off emergency core cooling system was a good idea



The Accident

- Once test started, control rods were removed and quickly pressure built up due to safety protocols being violated
- Reactor vessel fractured and a blast occurred
- Shortly after this a second explosion occurred
- Instantly 2 people were dead and the nuclear fuel was expelled into the air



F a - - o u t



Fallout Cont.

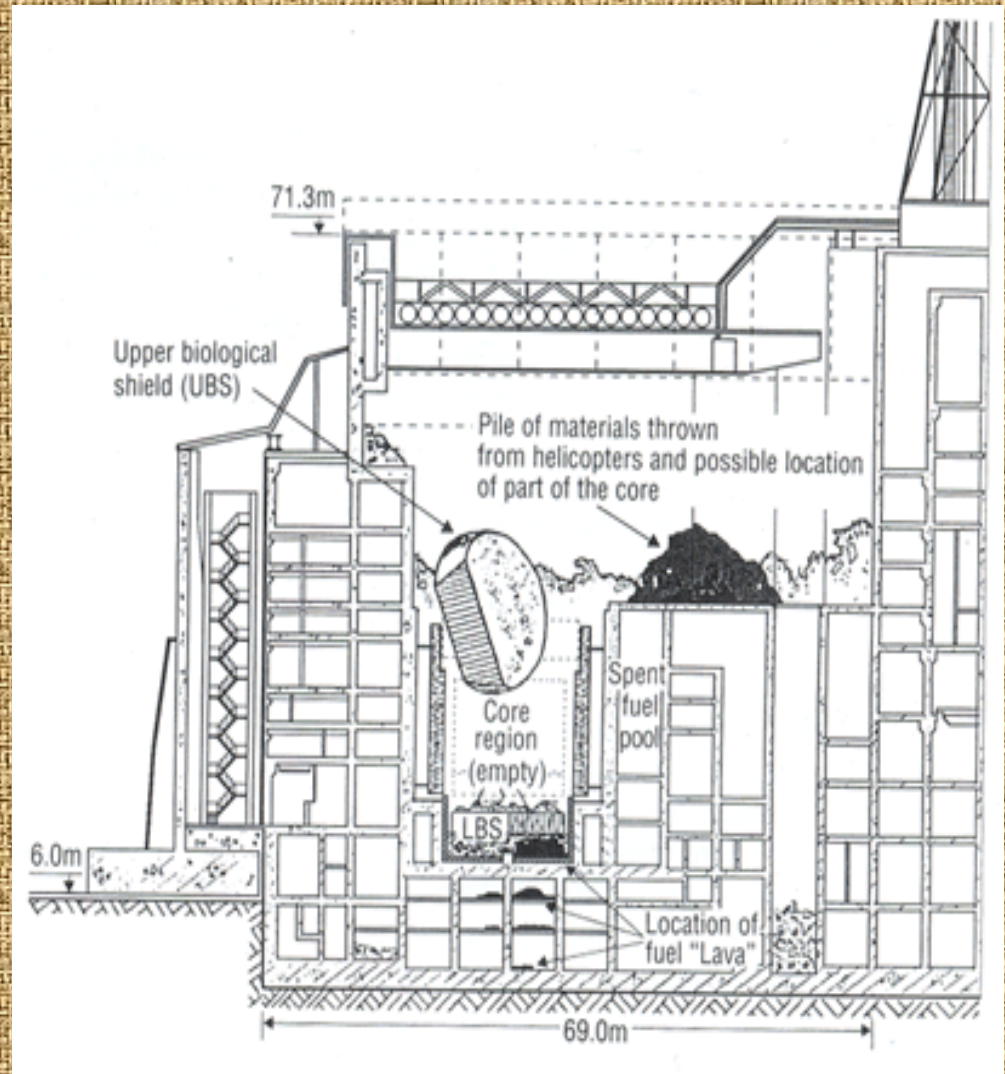


- Workers were brought in to help contain the radiation
- The workers present on the first day received the highest doses of radiation, some cases as high as 2000 rems in the first day



Cleanup

- Helicopters were commissioned to help contain the meltdown
- Construction of a concrete barrier over the reactor
- Town of Pripayat was evacuated and abandoned



Current Pictures



Pictures Cont.



Pictures Again



Q&A

- Hundreds of people died due to acute radiation sickness?
- False. Only 31 total people died. 28 from ARS, 2 from the explosions and 1 from a heart attack
- The surrounding areas are still highly radiated?
- False. Most of the radiated areas are low enough that a year of radiation dose is still safe according to the NRC.



What was Learned from Chernobyl?

- Safety is of main concern and the RBMK reactors lacked the safety required
- Proper training is of the most importance
- Finally vodka and nuclear power do not mix!



Have a Great Break

