

“Round Table Cattenom”

Doel 3 & Tihange 2 Cracks in the Reactor Pressure Vessels

Aktionsbündnis gegen Atomenergie Aachen/D

Walter Schumacher

Luxembourg – 17th of May 2014

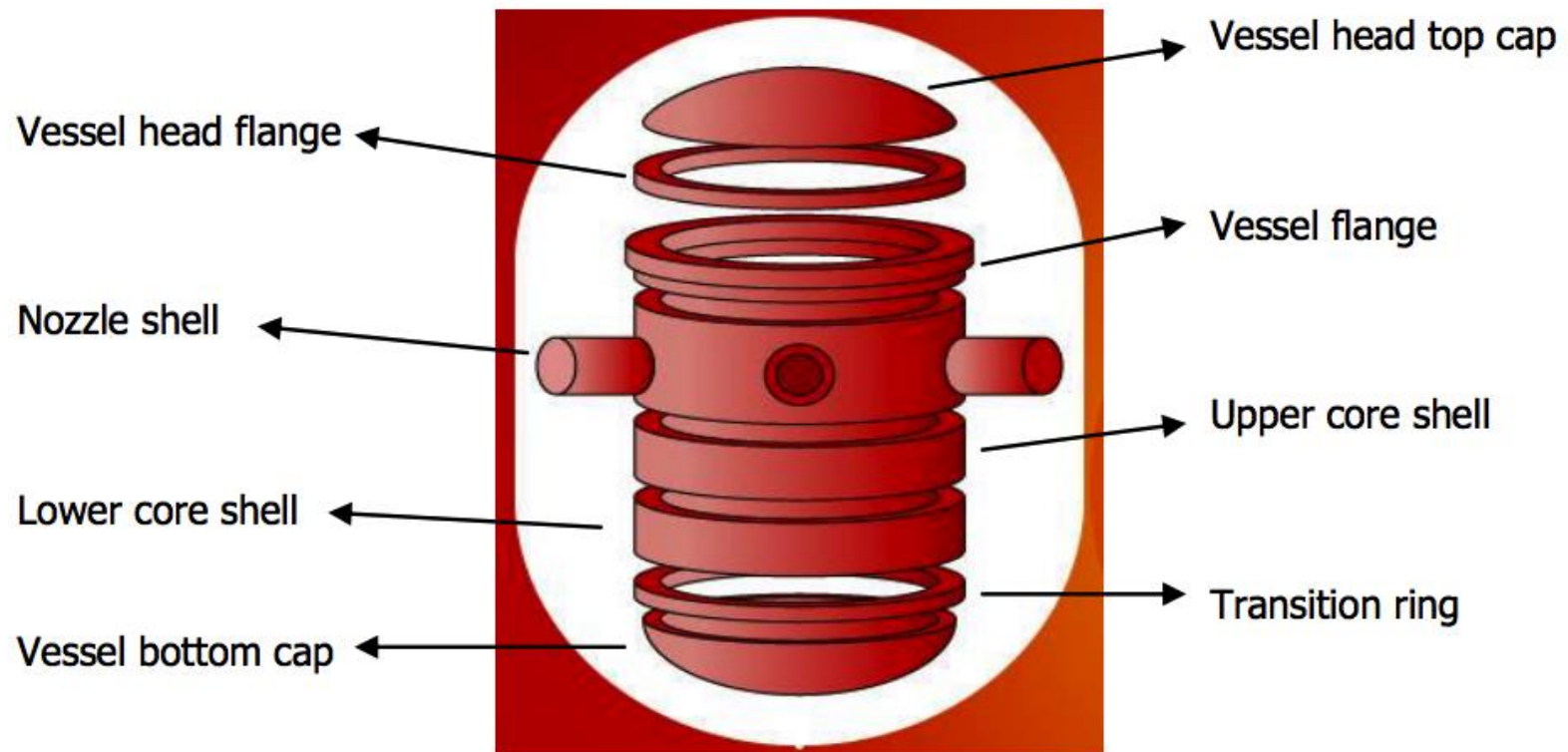


History

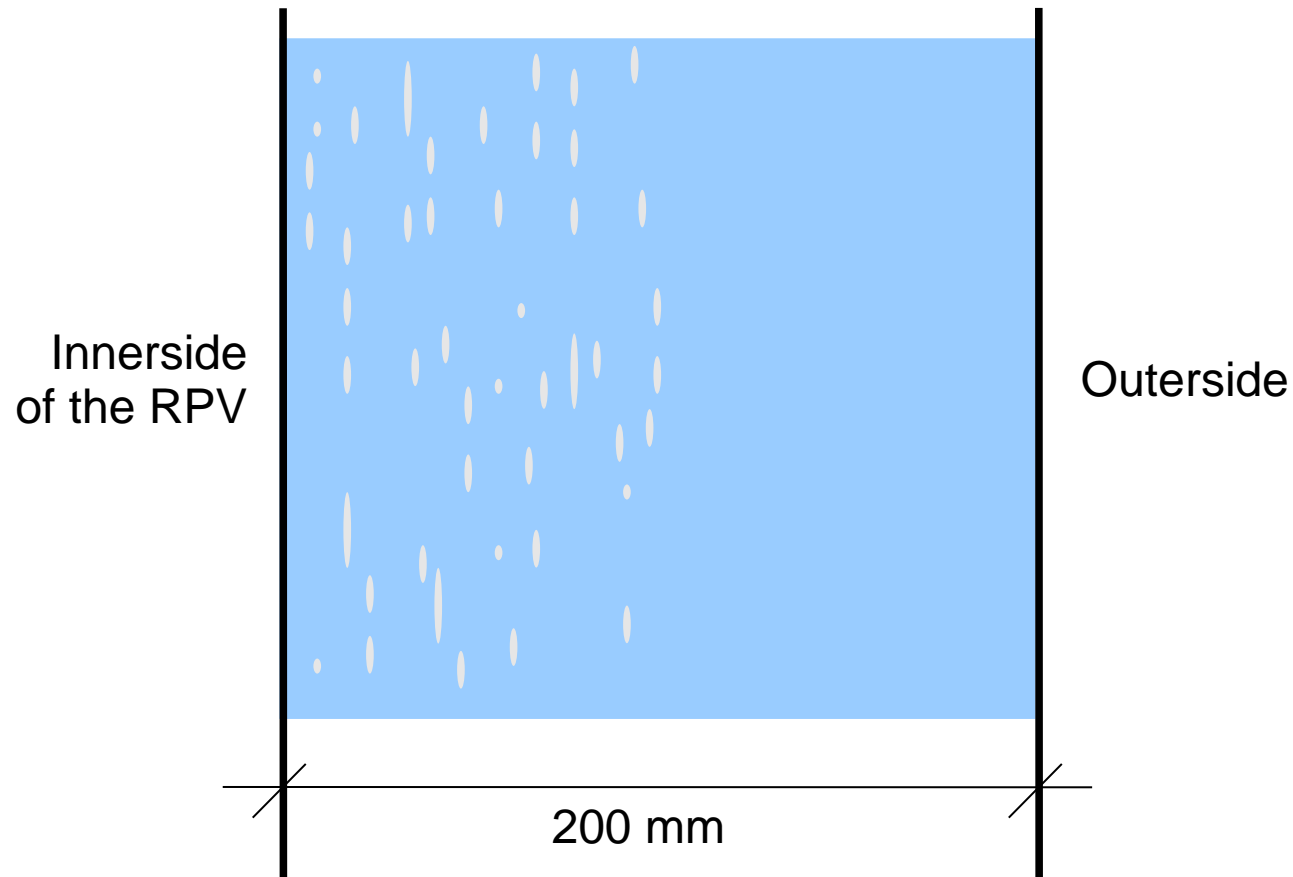


- Till 2012 D3 & T2 were “normal” NPP
- 8/2012 „shut-down“ and finding of cracks
==> D3 & T2 becoming “special”-NPP
 - The struggle around these cracks begins
 - 6/2013: The Special-NP go online again
 - The struggle continues
 - 1/2014: The Aachen-conference
 - 3/2014: the latest shut-down
 - 5/2014: The Aachen-report and the FANC-visit

Structure/Construction of the Reactor-Pressure-Vessel of Tihange 2



Position of the cracks in the (metal-)wall of the reactor-pressure-vessel



At different times different figures of the numbers of cracks were published



component of the RPV	number of cracks in the RPV			
	Tihange 2		Doel 3	
	12.10.2012	30.01.2013	03.09.2012	30.01.2013
Vessel head flange	0	5	./.	3
Vessel flange	19	19	./.	2
Nozzle shell	0	0	./.	11
Upper core shell	1931	1931	931	857
Lower core shell	80	80	7776	7205
Transition ring	0	0	./.	71

[S003, S004, S010]

Technical facts of the Cracks



- 8707 findings in Doel 3
- 2030 findings in Tihange 2
- Unknown characteristic - flakes, bubbles, cracks?
- Unknown origin
- Up to 24 mm in size (average size 10 mm)
- Concentrated in specific areas e.g. upper core shell in Doel 3
- Radial directed
- Flaws are rounded in shape
- Were described as cornflakes
- Found between 20 to 100 mm (from the inner to the outer site)

Outlook



- The NPP is down - but it is not dead!
- Electrabel has not given up - they still make test to “proof” the safety
- There is still a job to be done!

Our plans



- “Bald strahlen wir”
on the 8th of Juni: Manifestation & Party
- And when the final closure will be announced:
==> we want a VERY big Party!