

Vogtle Presentation

A Nuclear Disaster Waiting to Happen



501(c)3 Non-Profit Organization

www.fairewinds.org

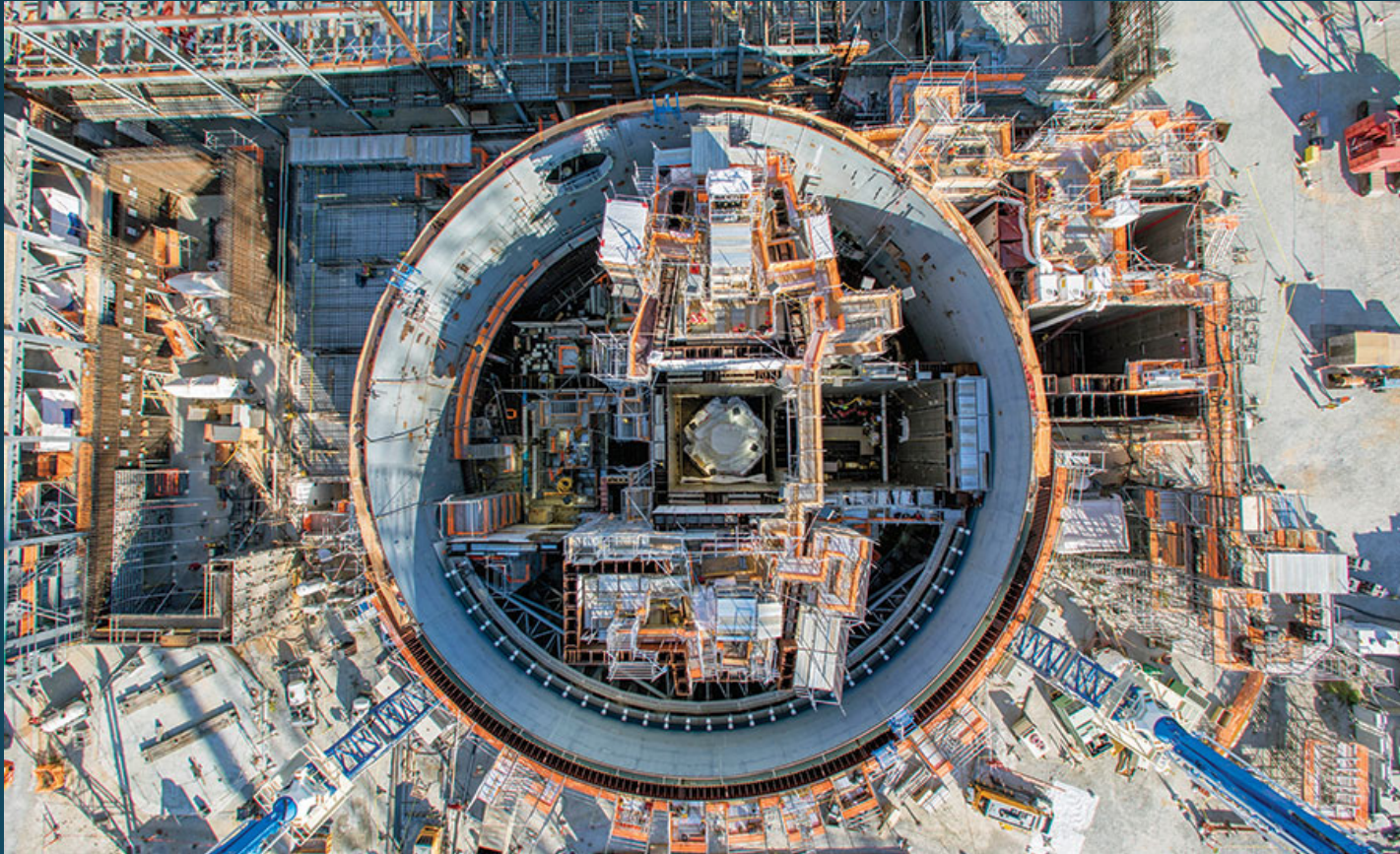
Presented by Chief Engineer, Arnie Gundersen



Vogtle: A Nuclear Disaster Waiting to Happen

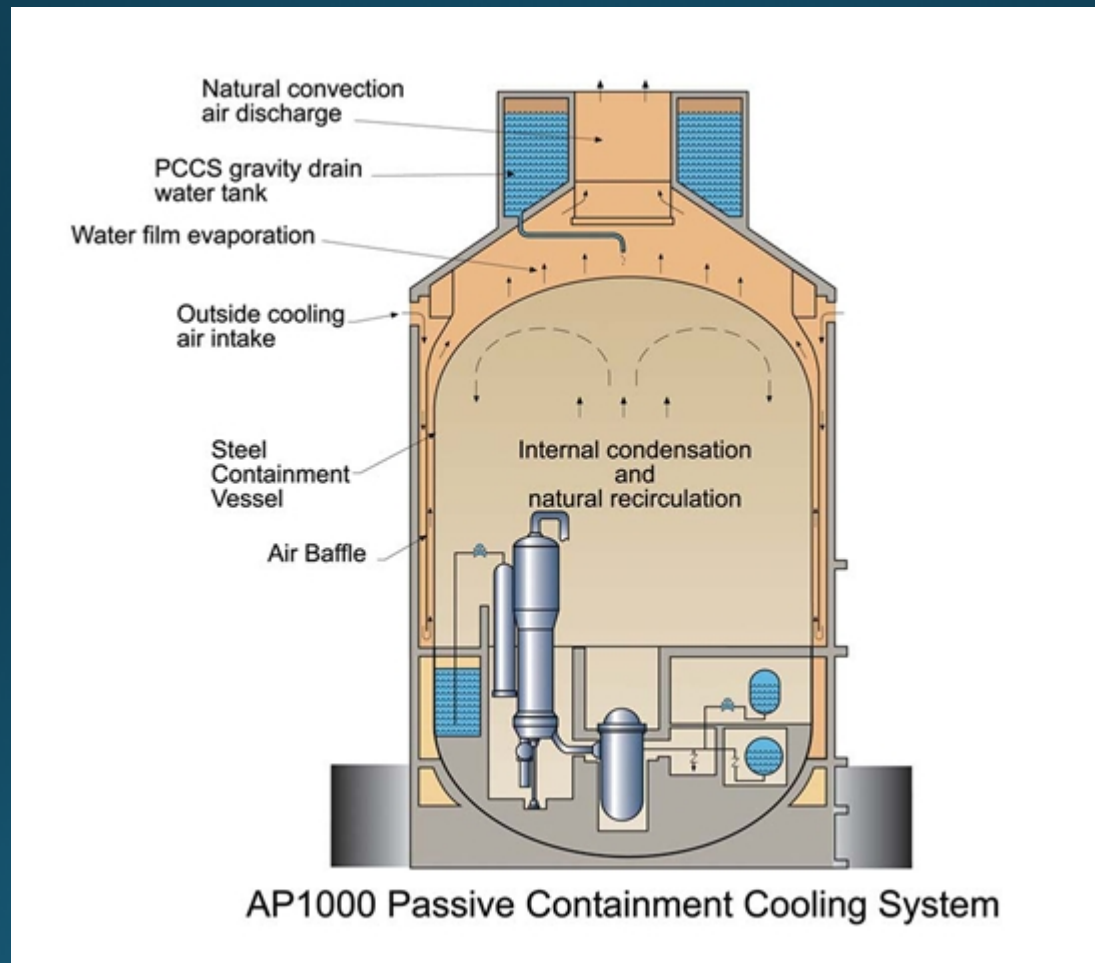


Vogtle: Too Expensive/Too Complex

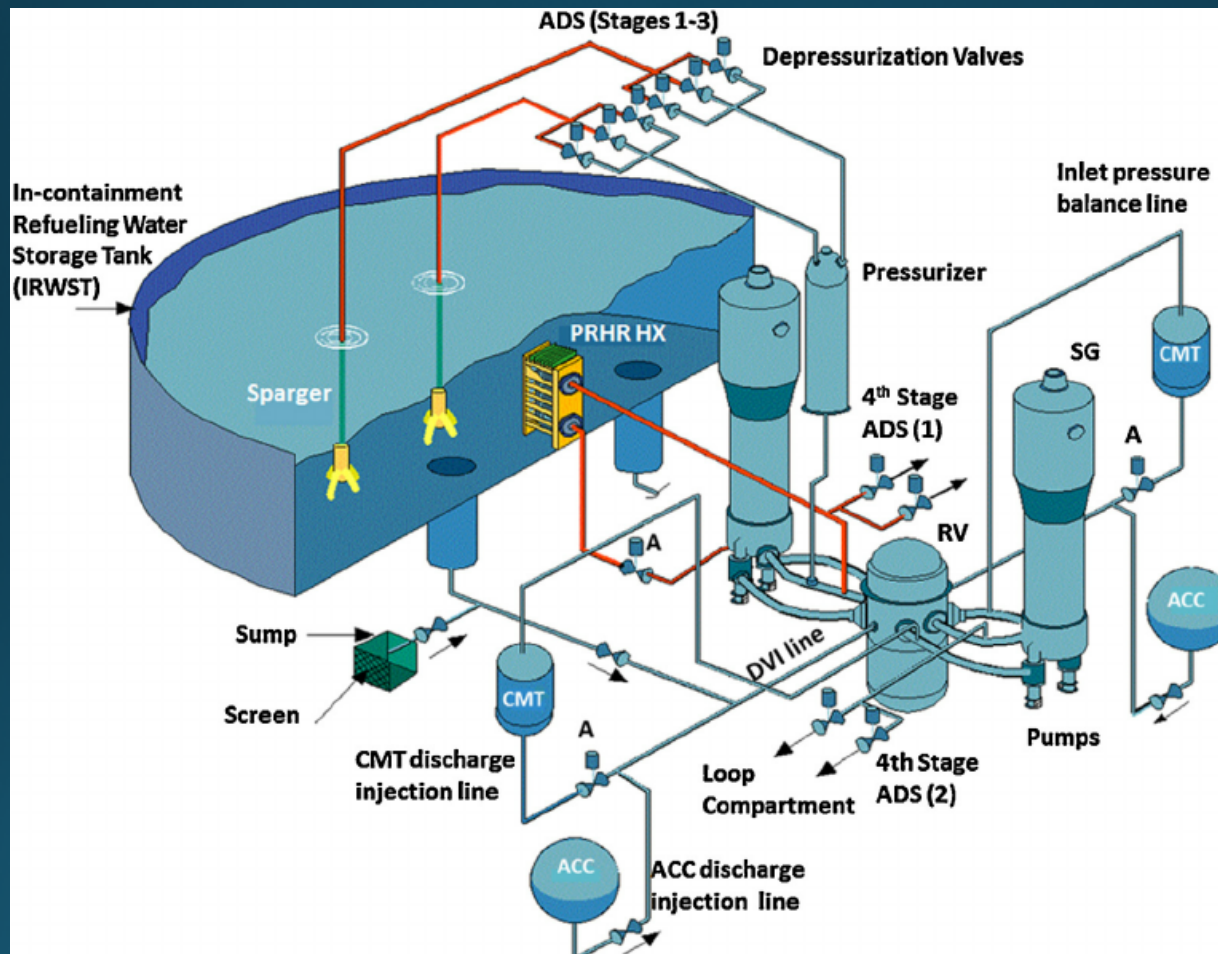


AP1000

Never Operated – Only Simulated



Gravity Emergency Core Cooling Never Operated – Only Simulated



Vogtle Concrete Thickness Never Operated – Only Simulated



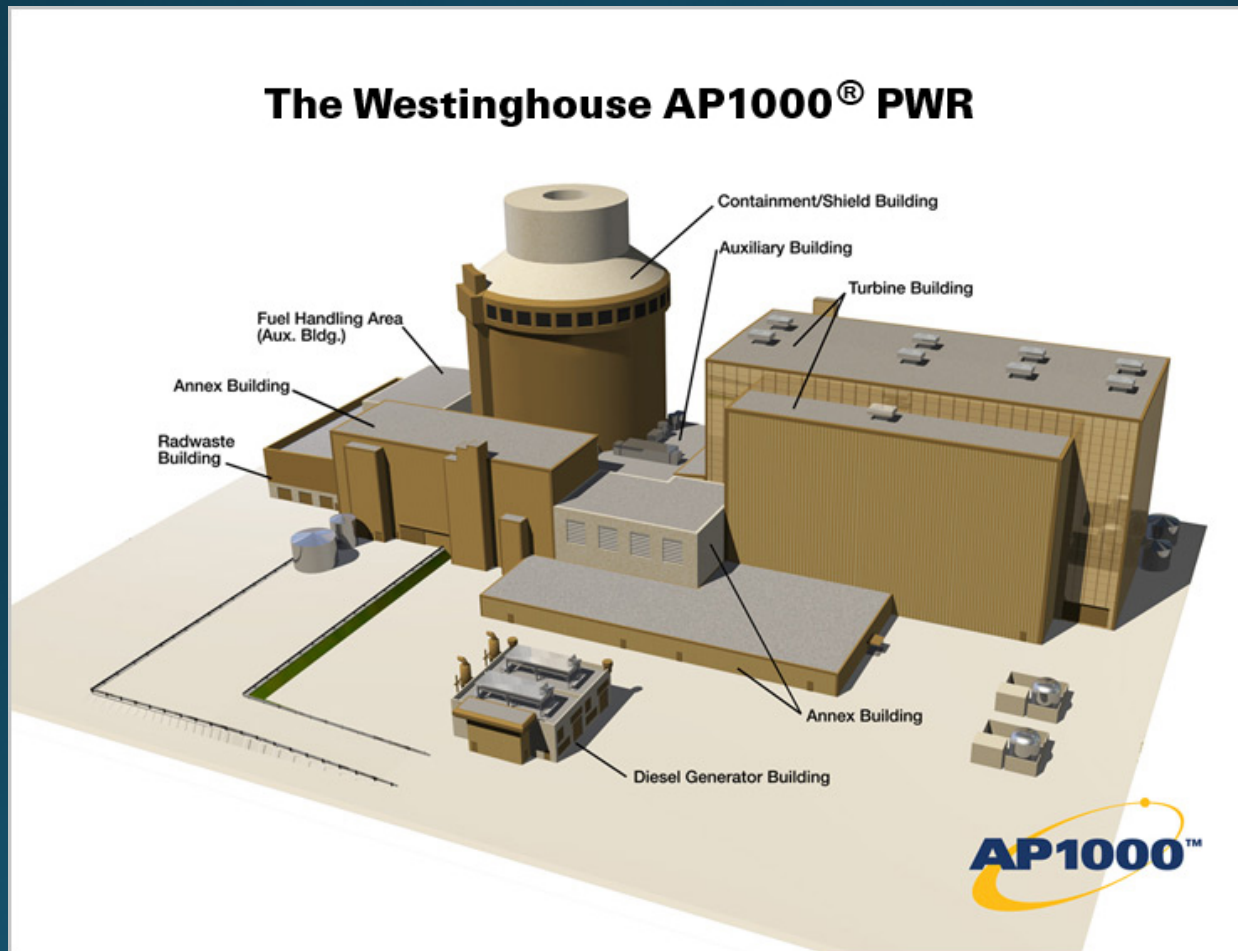
An aerial view of the Vogtle Unit 4 nuclear island looking inside the CA20 module.

July 2017

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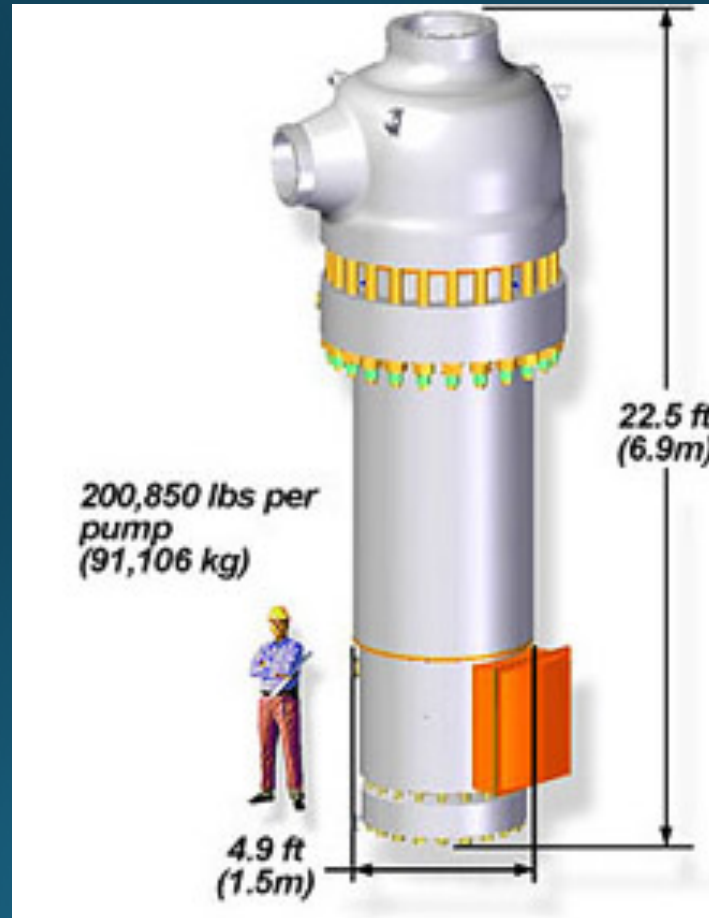
Size of AP1000 Turbine Hall Never Operated – Only Simulated



Size of AP1000 Turbine Hall



Reactor Coolant Pumps Never Operated – Only Simulated



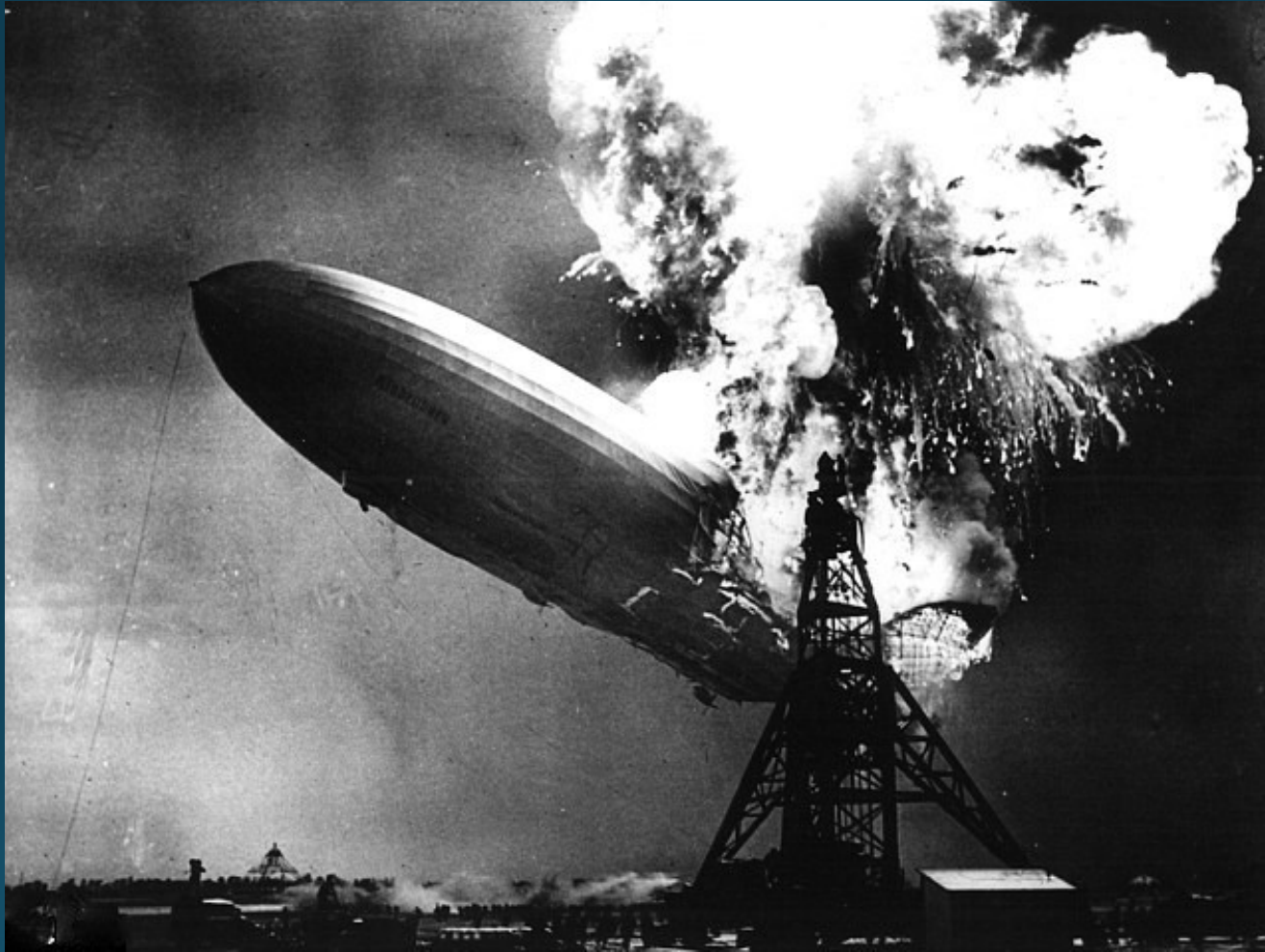
Steam Generators Never Operated – Only Simulated



Hydrogen Ignition



Hydrogen Ignition!



Hydrogen Explosion

1.



3.



2.



4.



Cockcroft's Folly

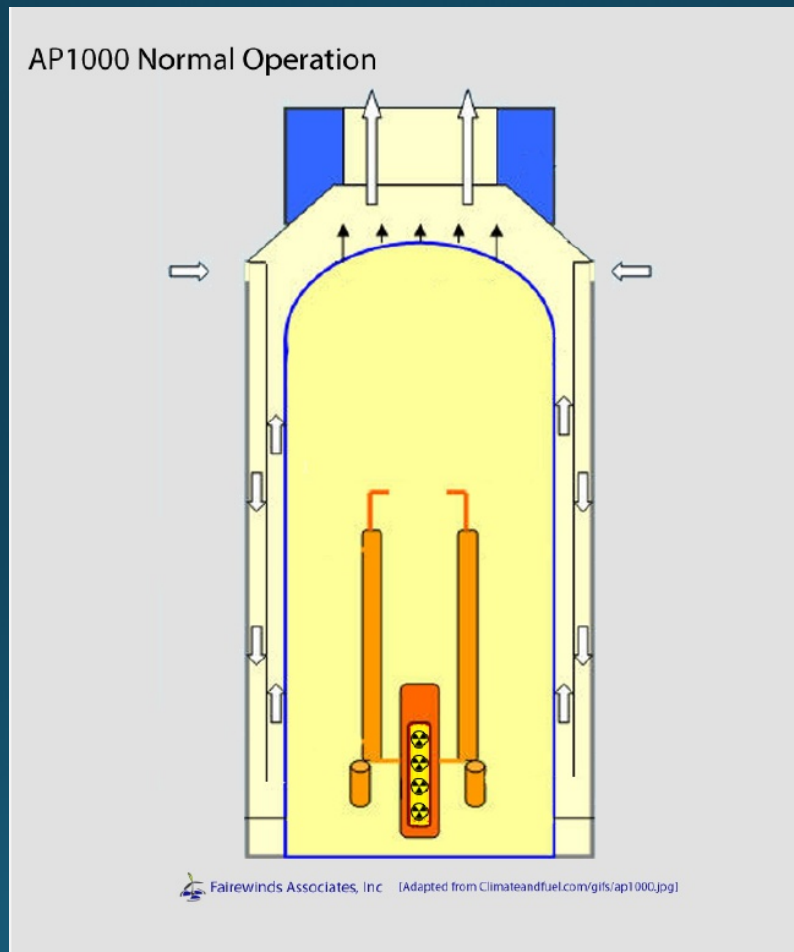
Engineers... nicknamed the filters Cockcroft's Follies, mocking them as an expensive piece of pointless delay. However, as one of Sir John's physicists Terence Price said after the fire, "the word folly did not seem appropriate after the accident".

BBC: Windscale Piles: Cockcroft's Follies avoided nuclear disaster

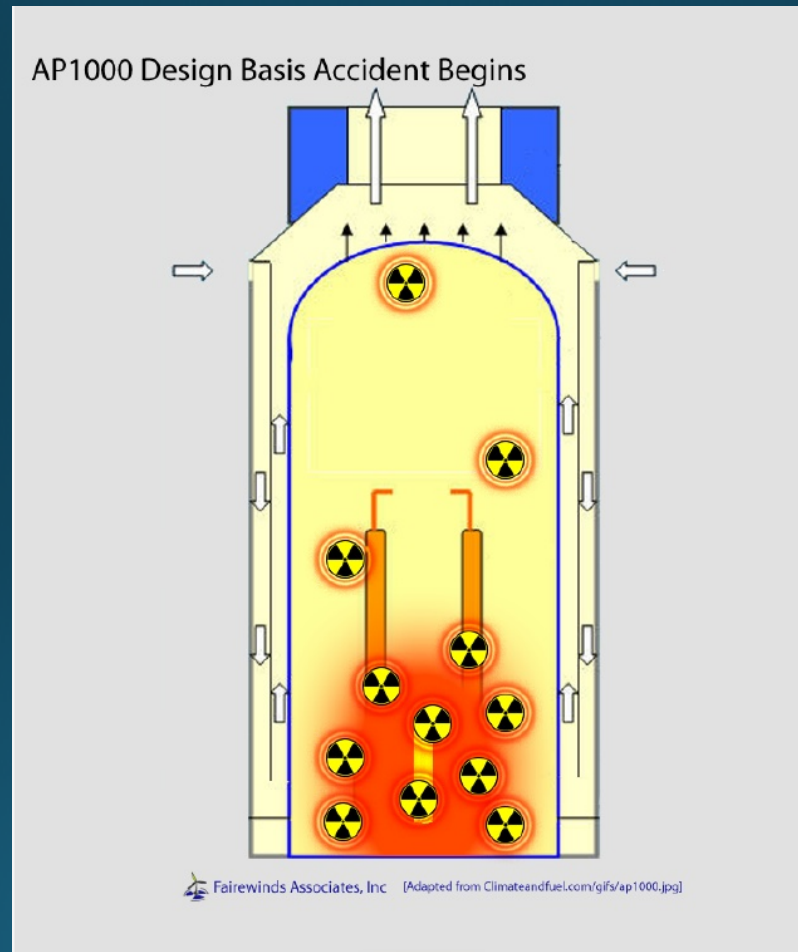
<http://www.bbc.com/news/uk-england-cumbria-29803990>



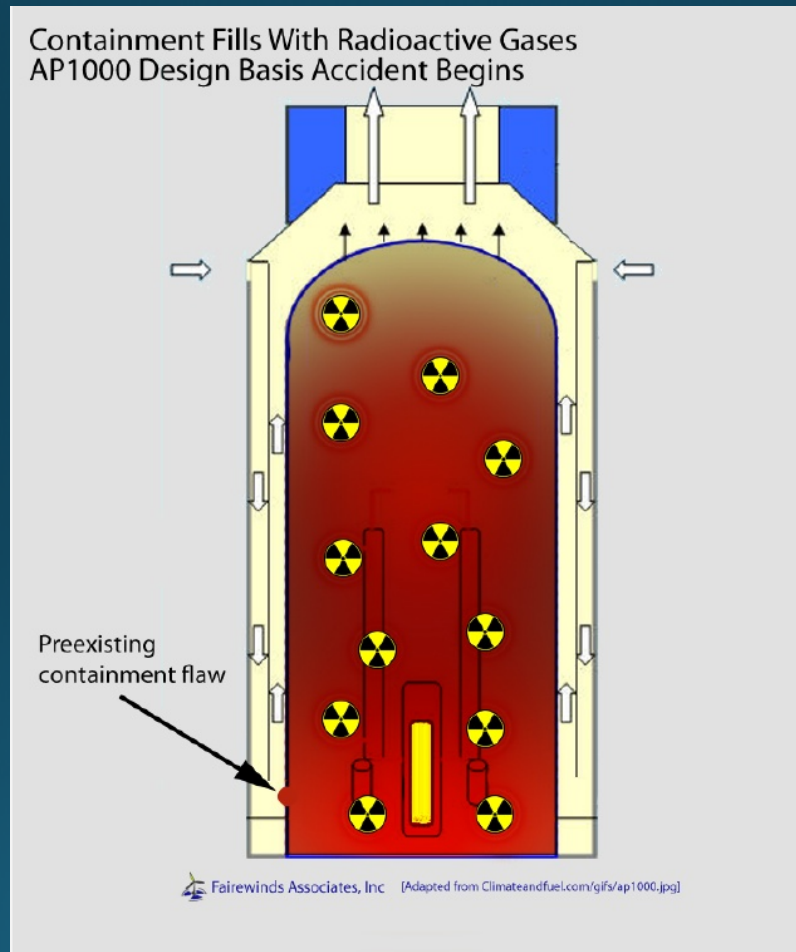
AP1000 Chimney Effect 1



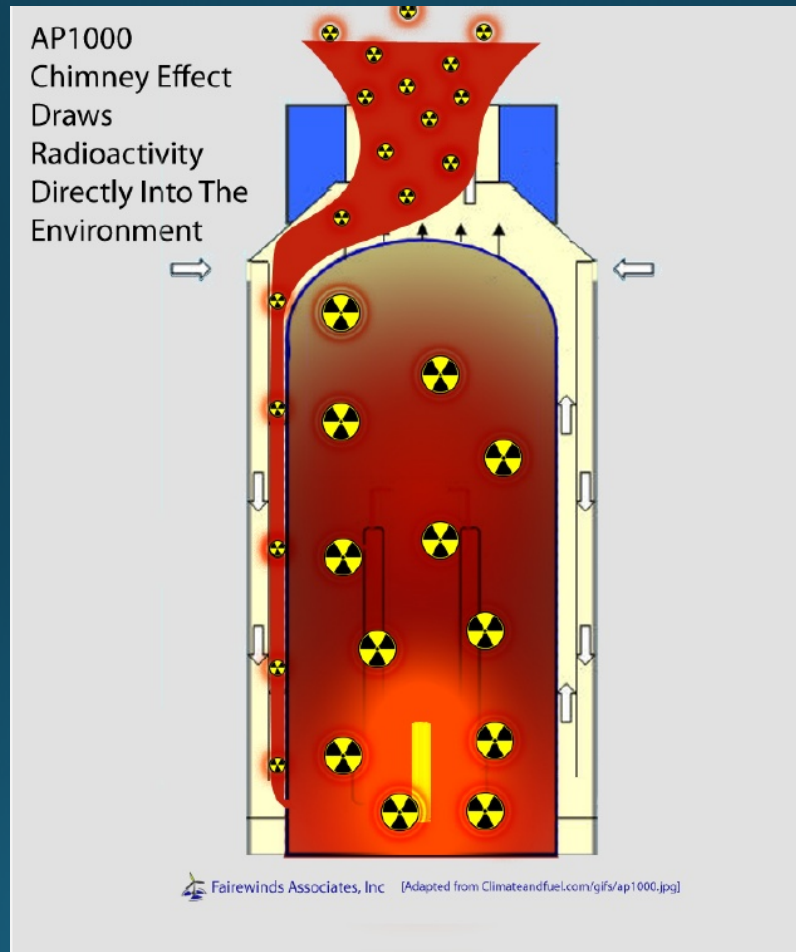
AP1000 Chimney Effect 2



AP1000 Chimney Effect 3



AP1000 Chimney Effect 4



It CAN Happen Here!



Arnie Gundersen, Chief Engineer Fairewinds Energy Education

**Nuclear Engineering, Safety, and Reliability Expert
45-years of nuclear industry experience and oversight**

Community Research Fellow, University of Vermont

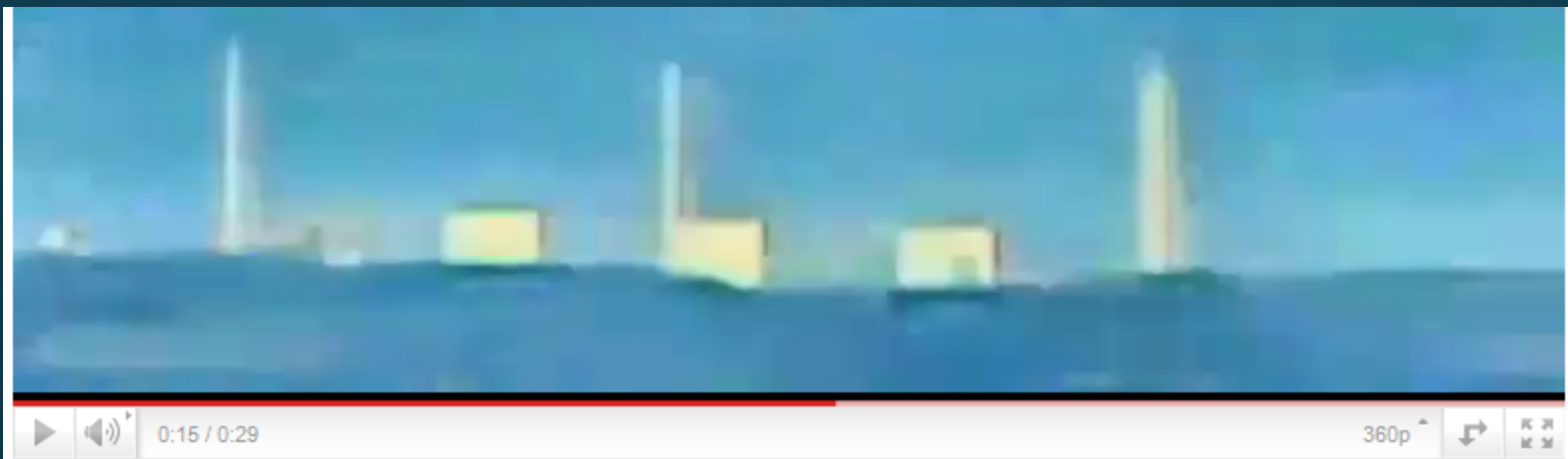
**ME NE Master of Engineering Nuclear Engineering
Rensselaer Polytechnic Institute, 1972
U.S. Atomic Energy Commission Fellowship
Thesis: Cooling Tower Plume Rise**

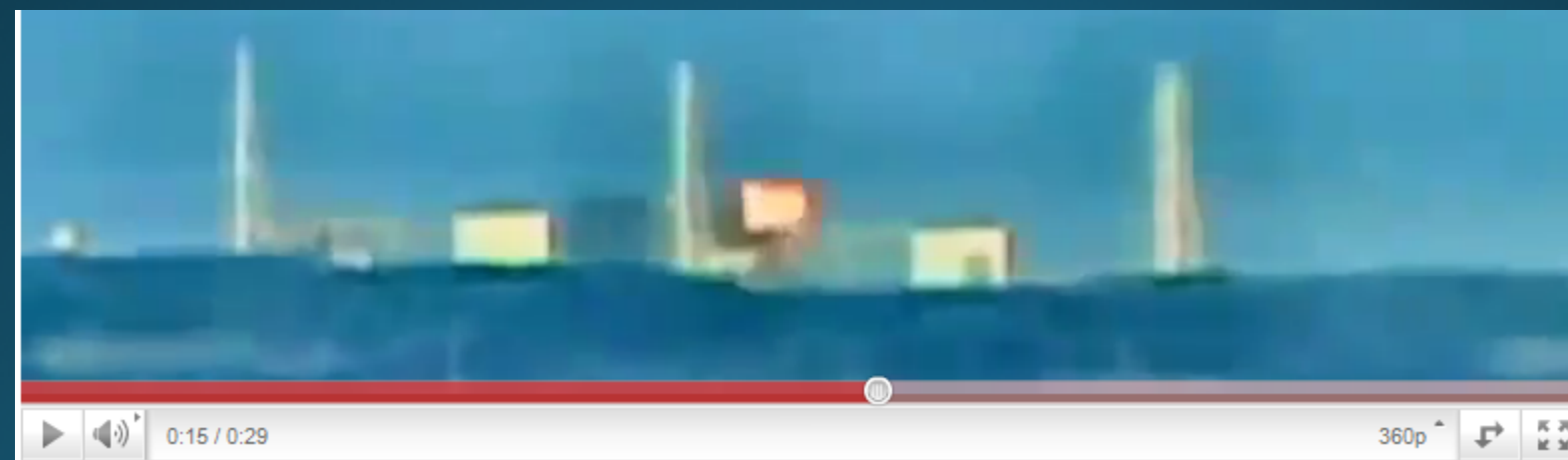
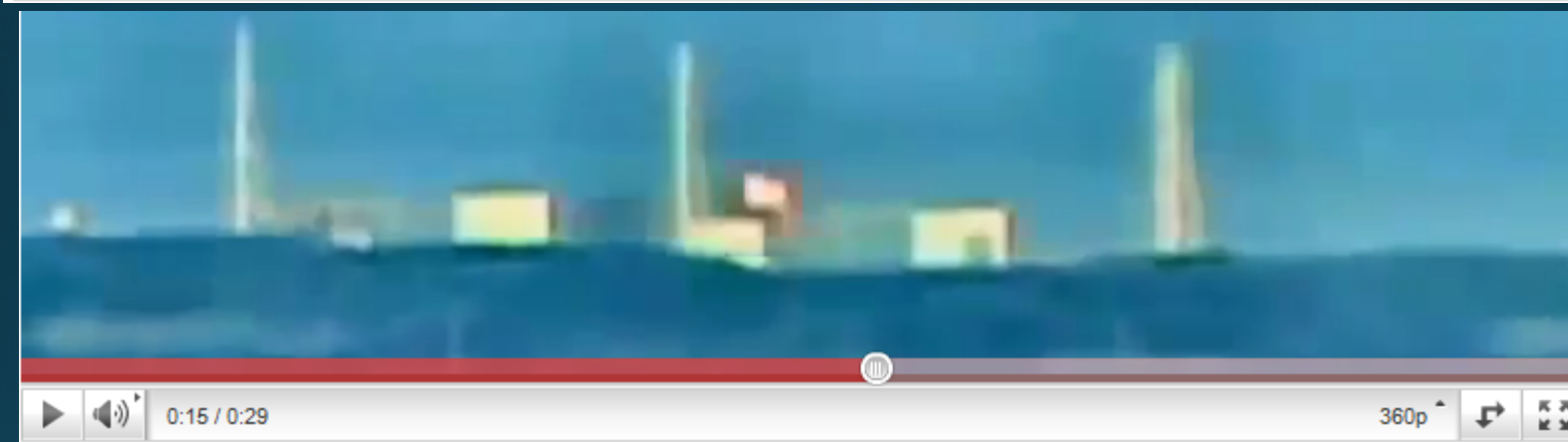
**BS NE Bachelor of Science Nuclear Engineering
Rensselaer Polytechnic Institute, 1971,
Cum Laude
James J. Kerrigan Scholar**

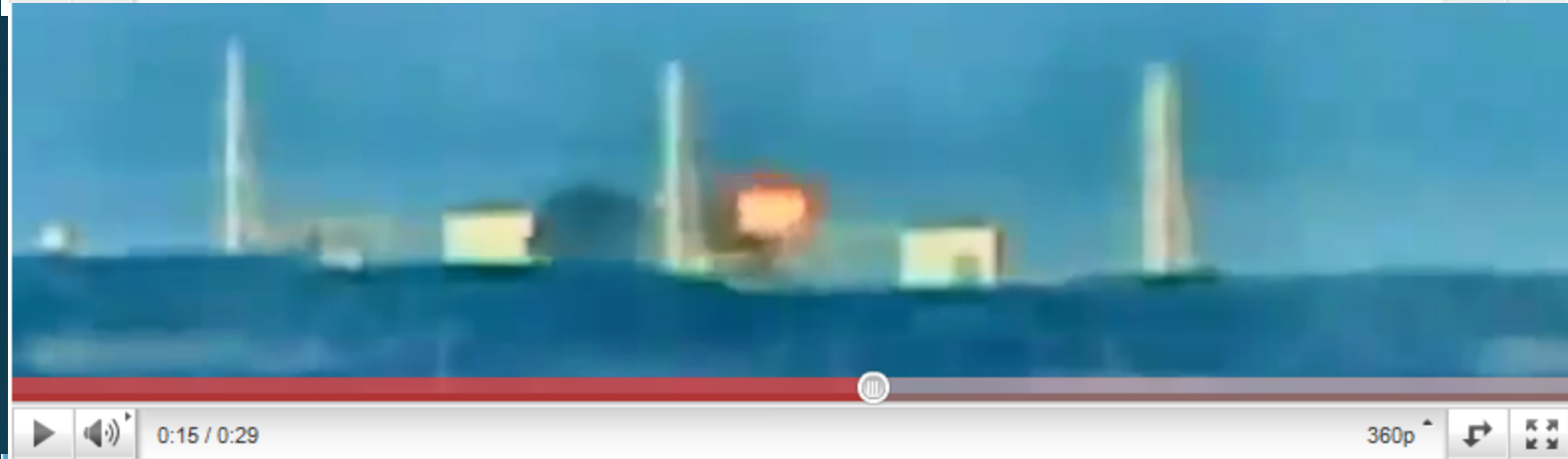
**RO Licensed Reactor Operator
U.S. Atomic Energy Commission
License # OP-3014**

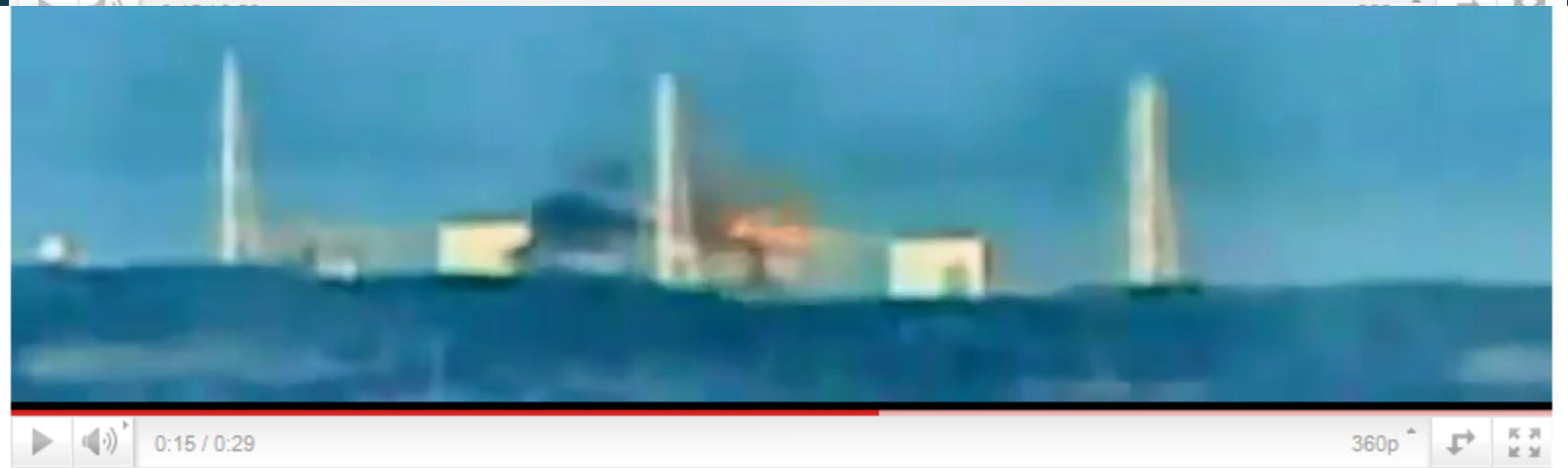
Additional Slides

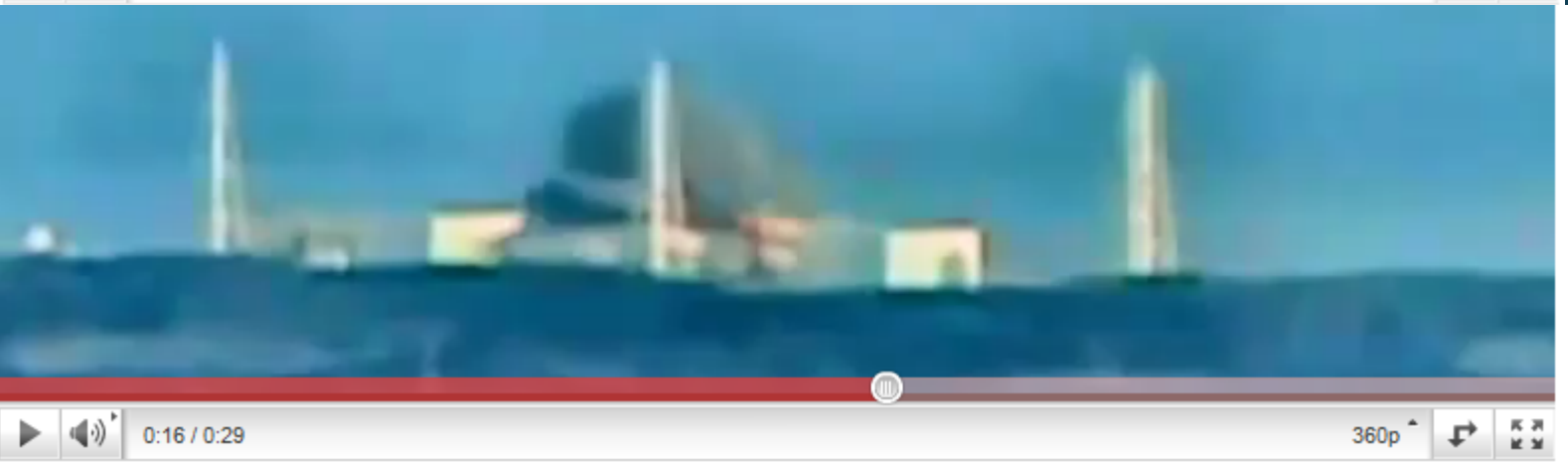
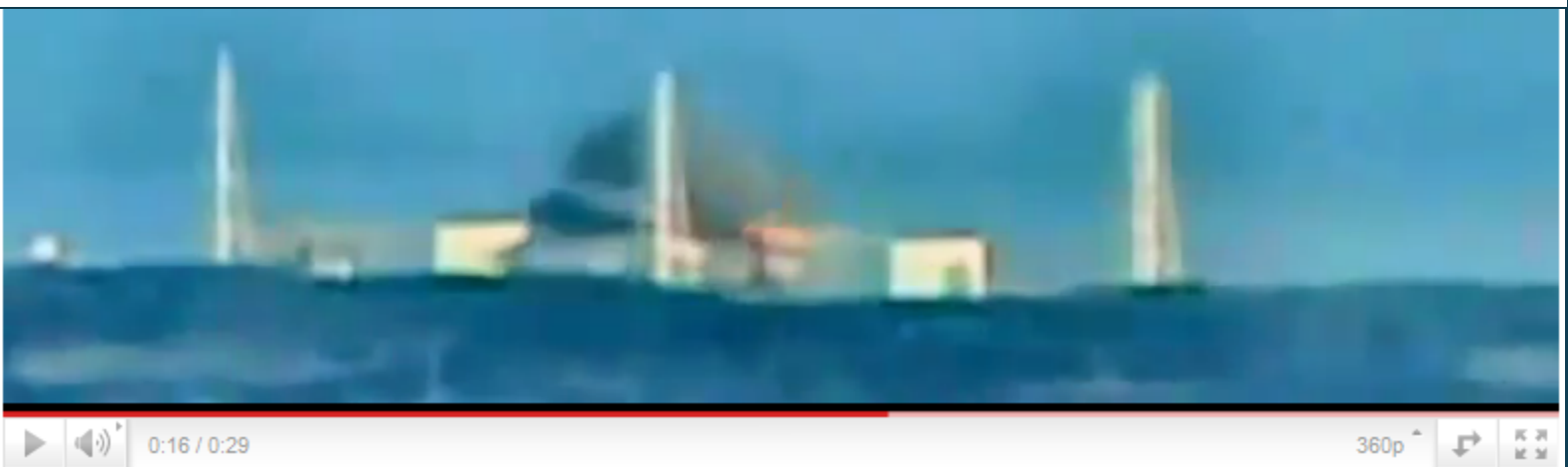
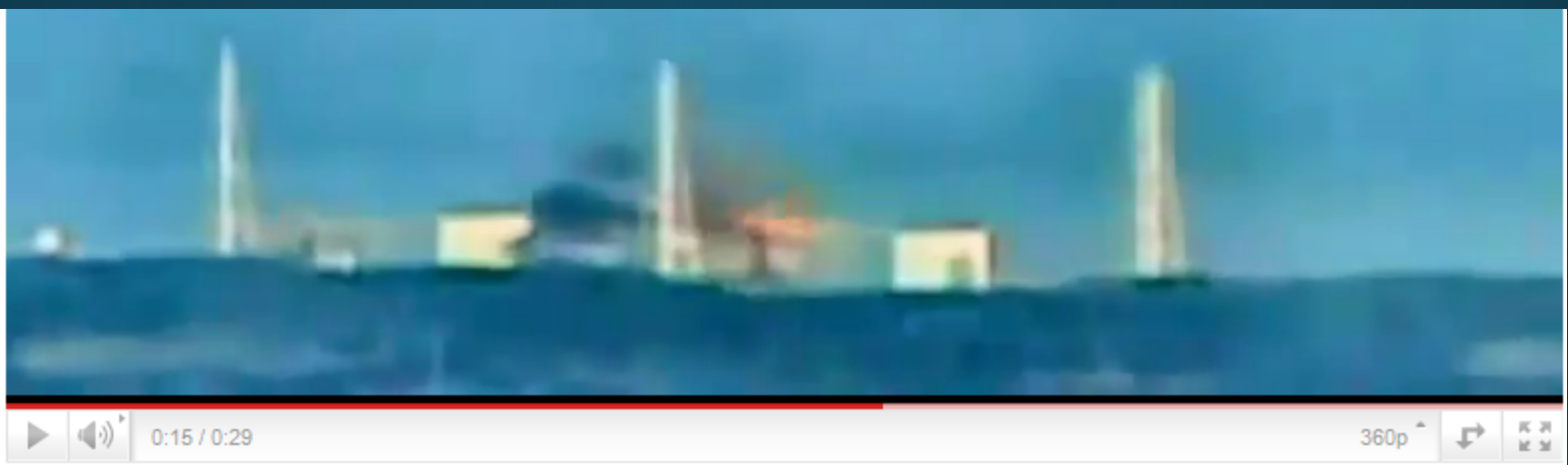


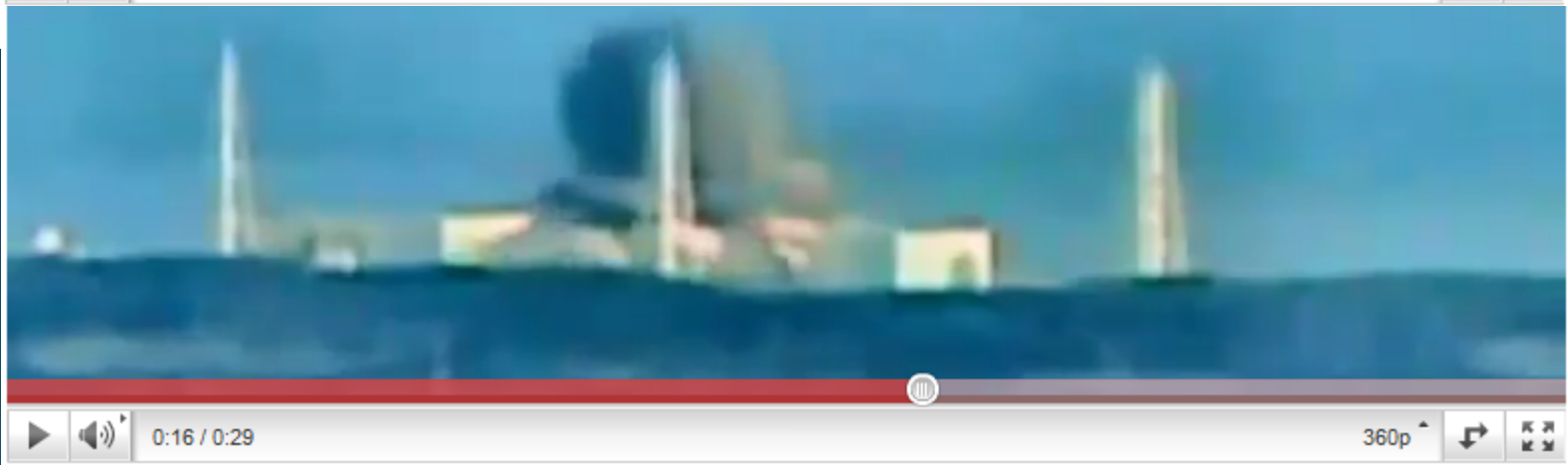






















0:18 / 0:29

360p ^



0:18 / 0:29

360p ^

























