Regulatory Perspectives on Nuclear Safety

NRC Commissioner William C. Ostendorff
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Nuclear Energy Asia 2010 Hong Kong, China



Key Messages



A strong safety culture is needed

A *credible regulator* is important

International cooperation is valuable



 Nuclear power program lifetime can be up to 100 years or more.

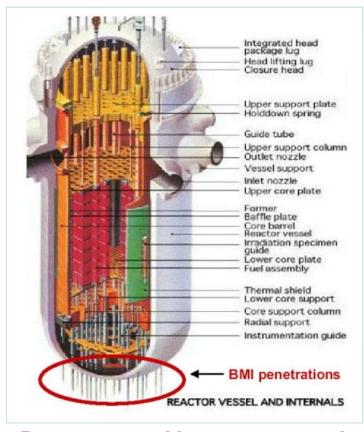
 A sustainable national nuclear safety infrastructure is needed.

Safety culture is the key foundation.

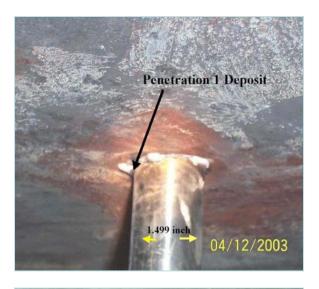








Reactor vessel bottom mounted instrumentation (BMI) penetration



Boric acid white residue on leaking reactor vessel penetration



Repaired reactor vessel penetration





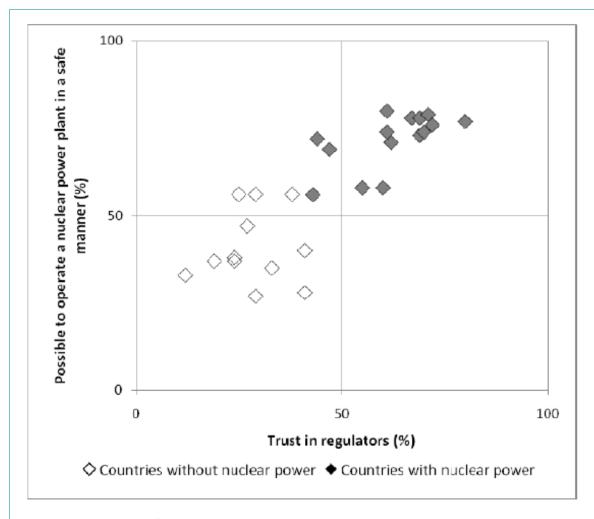


US Air Flight 1549





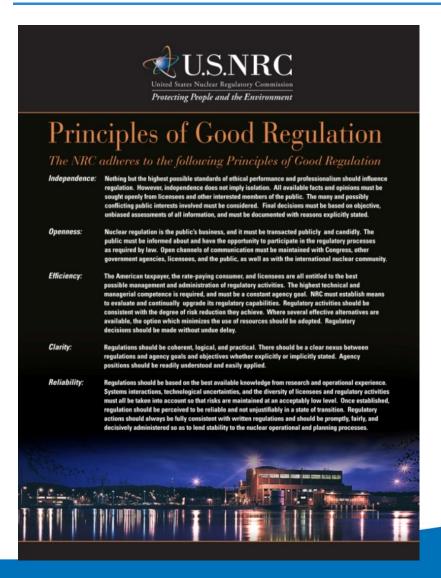




Strong
correlation
between trust in
the regulator
and the belief
that nuclear
power plants can
be operated in a
safe manner

Source: Eurobarometer (2007).







Independence
Openness
Efficiency
Clarity
Reliability



Risk communication and outreach:



Shared responsibility of regulator and industry

Promote understanding of risks and the bases for regulatory activities

International Cooperation



Over 50 years of worldwide nuclear power plant operating experience



Knowledge and lessons learned

to be shared through international cooperation

International Cooperation























Countries participating in the ANSN











Supporting countries and organizations







Other countries connected to the ANSN

Knowledge networks

can be effective tools for learning

International Cooperation





Thank You



Questions Comments Discussion