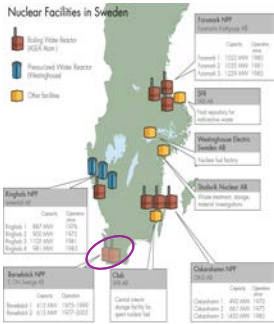


Swedish Experience from Closure of Barsebäck NPP and Future Actions

Anna Franzén, SSM
 Presentation at U.S NRC RIC, March 8-10, 2016

Barsebäck: Background and Actions

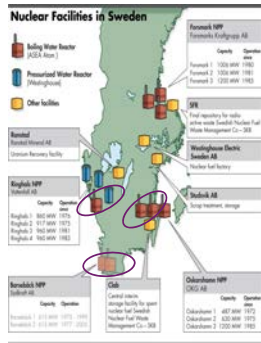


- Nuclear power faced with uncertainty
- Safety concerns due to the delay of decisions
 - Operating under high uncertainty
 - Reduced staff motivation
 - Loss of staff
- Special attention and reporting
 - Competence and motivation, safety culture, staffing, safe operation, maintenance etc.
- Regulatory focus
 - Gradual, step-wise decision making
 - Experiences from other regulators
 - Developing regulatory strategy

Safety issues and Experience

- Obtaining and retaining staff competence
 - Five year guarantee of employment for all staff
- Sustaining organizational memory, structure and accountability
 - Documentation and staff knowledge
 - Procedure for organizational change and control room staffing
 - Merger with Ringhals NPP
- Sustaining safety, safety culture and motivation
 - Leadership: Management plans for possible outcomes
 - Reducing uncertainty, continuous communication
 - Organizational processes and control systems (contractors)
- Regulatory presence and continuous oversight

Future Decommissioning



- Barsebäck 1 and 2 closed since 1999/2005
- Ringhals 1 and 2 closure before 2020
- Oskarshamn 1 and 2 closure before 2020

The Future

- From new build to closure and decommissioning
- Faster process than at Barsebäck in decisions on closure and decommissioning
- Need to amend our regulatory framework
- Dialogue between SSM and licensees will continue to be important

Thank you!
