

# SKB's program for Low- and Intermediate Level Waste (LILW)

## Extension of the SFR repository

- From 2020 to allow disposal of short-lived LILW from decommissioning.
- Ongoing project, to submit a licence application for the extension in 2013.
- Interim storage for long-lived waste.
- Disposal of large components e.g. one piece removal, transport and disposal of reactor pressure vessels.

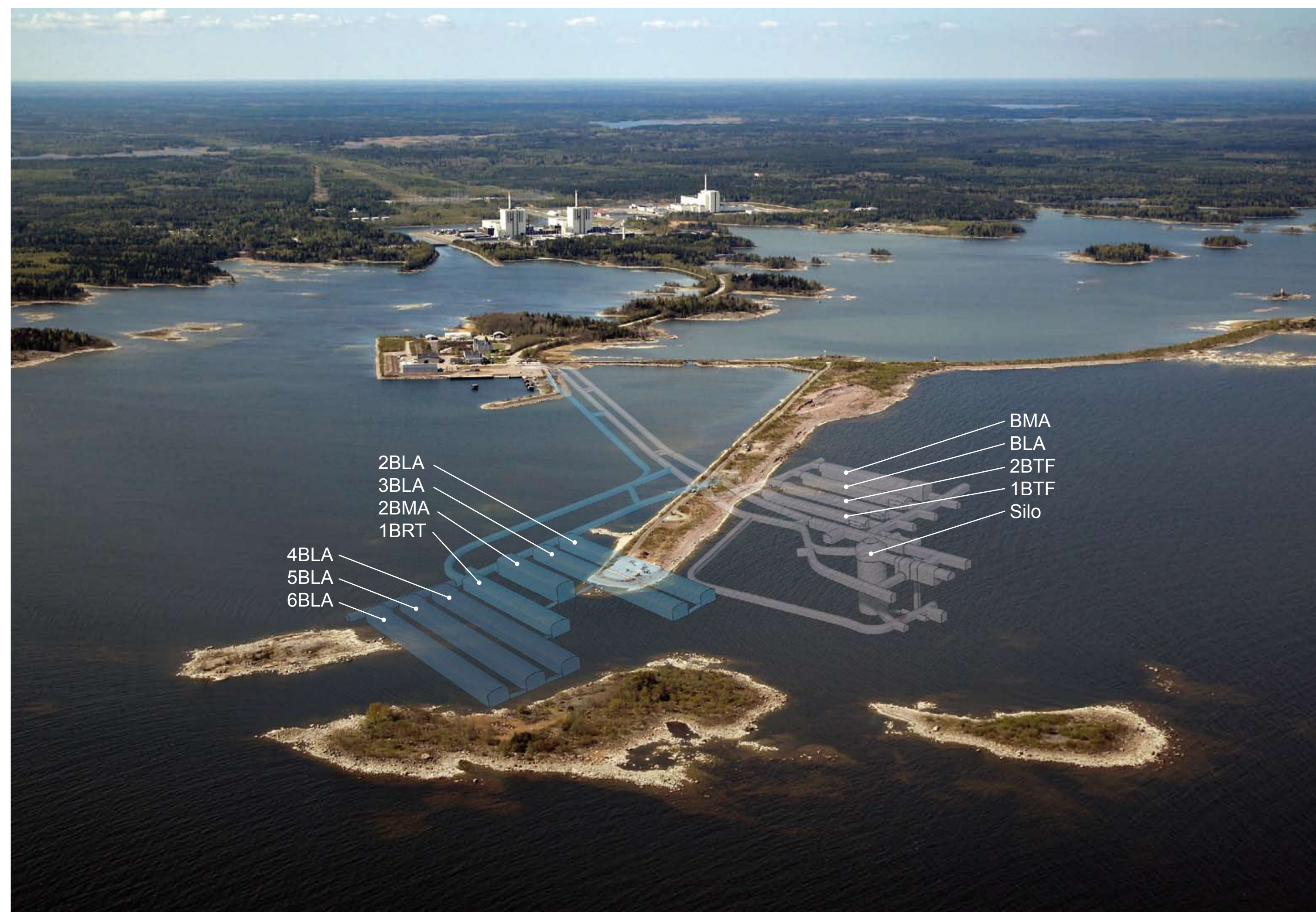


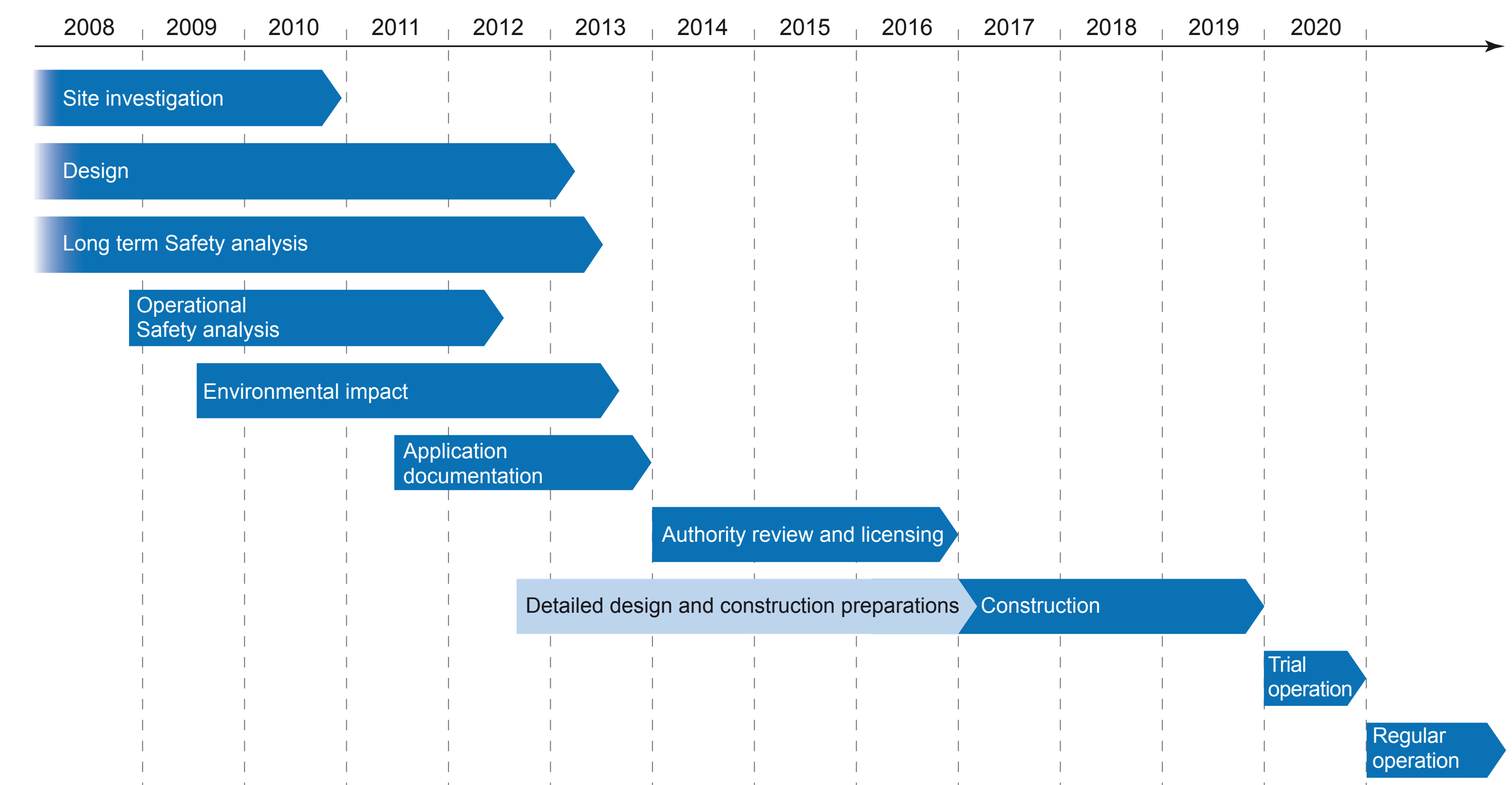
Figure explanation:

- White – Repository in operation
- Blue – Extension of the repository
- BLA – Vaults for LLW
- BTF – Vaults for LLW
- BMA – Vaults for ILW
- Silo – Vault for ILW (80% of the activity)
- BRT – Vault for large components e.g. RPVs

## Extension of the SFR repository

Before the license application is submitted, many activities must be completed. Main activities are illustrated in the figure below.

- Site investigation includes investigations and site descriptive modelling activities.
- Design includes underground design and pre-construction activities.
- Long-term safety regards the long-term (~100.000 years) safety of the repository.
- Operational safety regards the safety of the facility during the operation phase.
- Environmental Impact Assessment (EIA) assesses possible impacts on human health and the environment.
- Application summarises all material required for submitting an application for extending the facility.
- Construction, trial and regular operation is not part of the current project. Topics related to this are however handled throughout the project.



Time plan for the licensing process. The time required for reviewing the application is an assumption.

