



**Magnox**

**Dungeness A Turbine Hall Infill Project –  
Update for SSG**

*18<sup>th</sup> February 2021*

# Background

- The Turbine Hall was previously partially infilled with demolition material in 2015.
- The Turbine Hall drains are continually pumped to manage water ingress, mainly groundwater.
- We need a sustainable way forward that will allow Magnox to completely infill the Turbine Hall and cease pumping of the groundwater.

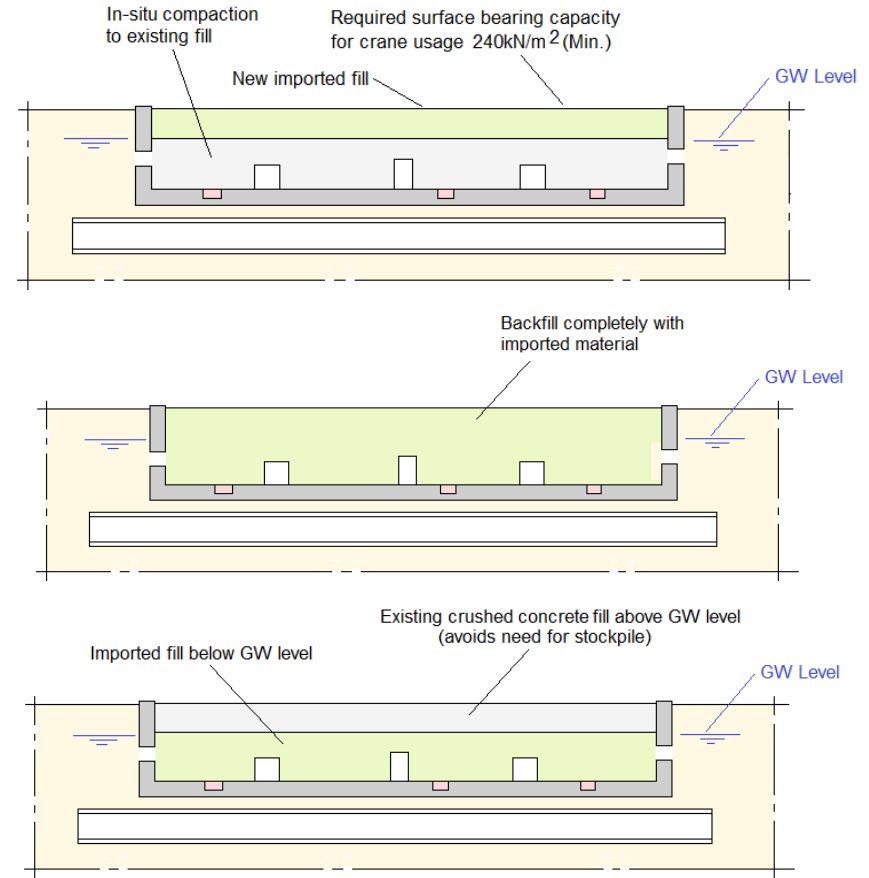


## Project goals

1. To meet an environmentally suitable end state which is in compliance with the site's environmental statement.
2. To provide a stable and level lay down area for future decommissioning works.

# Optioneering and engagement with Regulators

- Three potential options were identified. To support selection of the preferred option we have :-
- Developed a full understanding of hydrogeological environment around the Turbine Hall
- Carried out a structured Hydrogeological Risk Assessment to determine environmental suitability
- Engaged throughout with EA and ONR to identify the best option



# Proposed Solution

**Leave the current infill in place and top-up the infill with imported inert material from a quarry.** This option:

- Has been demonstrated to be environmentally suitable through risk assessment
- Generates no waste
- Uses less imported materials (~10,000 tonnes vs up to 20,000 tonnes)
- Minimises number of lorry movements (~1000 vs up to 3000)
- Minimises health and safety risk compared to other options

# Next Steps

- The project is now moving into the design phase, developing detailed plans for implementation of the selected option. This will include:
  - Identification of supplier of inert material
  - Development of traffic management plan
  - Development of monitoring arrangements and contingencies
  - Application for planning permission (including EIA scoping and potential development of an Environmental Impact Assessment)
- Infilling activities currently targeted January 2022-November 2022
- Magnox will continue to update SSG on progress of this project