

# SGHWR - D61 Administration Block



Winfrith  
Technology Centre

## Background

The Steam Generating Heavy Water Reactor's (SGHWR) administration building (D61) was built in 1967 to provide accommodation for the support staff for SGHWR operations. The building was occupied until 1997 by up to about 120 people. Following initial decommissioning the facility was kept in care and maintenance. New offices within the north annexe of the main building were provided rendering the large office block redundant.



D61 roundhouse demolition.

## Requirements and Objectives

Demolishing the main office block involved:

- Surveying the building for contamination.
- Removal of the link bridge between the office block and the main SGHWR buildings and arrange for alternative entrance.
- Removing and making safe service supplies.
- Building demolished and reinstatement of the land by landscaping and tree planting.

## UKAEA's Vision

To be recognised as world leaders in managing decommissioning, environmental restoration and fusion research.

## UKAEA's Mission

*To restore the environment of our sites in a way which is;*

- safe and secure
- environmentally responsible
- value for money
- publicly acceptable.

## Specific Challenges

Access to the reactor building was from the second floor of the roundhouse via a steel framed, fully glazed link bridge. This bridge also carried water and electrical services to the offices. The intention was to remove the bridge in one piece. Before this could be done it was necessary to confirm that it was strong enough. This calculation was carried out by a UKAEA structural engineer, Dr Steve Wicks, who confirmed that it was. Johnson Controls were contracted to carry out the lift. Buckfields, the demolition contractor, disconnected the services running through the bridge and removed all the glazing before the crane was deployed and slings fitted to the structure. Buckfields then cut the steel work attaching the bridge to the roundhouse and the reactor building, and it was successfully lowered to the ground where it was cut into small pieces for disposal.

## Contractors

Buckfield Group Ltd

Johnson Controls Ltd

*Project Manager*

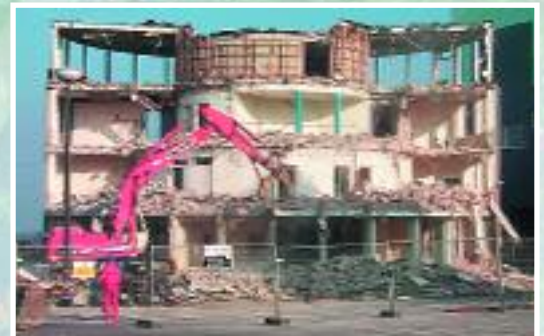
Gordon Graham



*D61 roundhouse before demolition.*



*Gordon Graham*



*D61 roundhouse demolition completed.*

## Key Dates

Building occupied by SGHWR support staff	1967-1997
Care and maintenance team move to North Annex offices	1997
Roundhouse demolished and area returned to grass	1998