

Construction Environmental Management Plan (CEMP)

Project Title: Conversion of Former Salvation Army Hall and Shop into 10 Residential Flats

Planning reference: P/25/0069

Site Address: 6–8 Perrott Street, Treharris, CF46 5ET

Client/Developer: W&L Construction Ltd

Date: 30th September 2025

1. Introduction

This Construction Environmental Management Plan (CEMP) outlines the procedures and controls that will be implemented to manage and mitigate the environmental impacts associated with the renovation and conversion of the existing buildings at 6–8 Perrott Street, Treharris.

The project involves the transformation of a former Salvation Army Hall and adjacent shop into ten self-contained residential flats.

The CEMP is designed to ensure that construction activities are carried out in accordance with relevant environmental legislation, planning conditions, and best practice standards.

The document serves as a live management tool and will be reviewed and updated regularly throughout the construction phase to reflect changes in site conditions, legislation, or project scope.

2. Project Overview

The development comprises the internal and external renovation of two existing buildings. The Salvation Army Hall and the adjacent shop will be converted into ten flats, each with its own entrance, heating system, and fire safety provisions. The project is not a new build but a full conversion, retaining the existing structure while upgrading insulation, fire safety, and energy efficiency systems.

3. Roles and Responsibilities

To ensure effective environmental management, the following roles have been defined:

- Site Manager: Responsible for day-to-day implementation of the CEMP, ensuring all site operatives comply with environmental controls.
- Environmental Coordinator: Oversees monitoring and reporting of environmental performance, liaises with regulatory bodies, and ensures compliance with planning conditions.
- Contractors and Subcontractors: Must adhere to all environmental procedures outlined in this document and attend relevant training and inductions.

4. Environmental Risk Assessment and Mitigation Measures

4.1 Noise and Vibration Control

Construction activities will be managed to minimise noise and vibration impacts on neighbouring properties. The following measures will be implemented:

- Work will be restricted to the hours of 08:00–18:00 Monday to Friday and 08:00–15:00 on Saturdays. No work will be carried out on Sundays or Bank Holidays.
- Low-noise machinery and equipment will be used where possible.
- Acoustic barriers or temporary hoarding will be installed to shield sensitive receptors.

4.2 Dust and Air Quality Management

Dust generation will be controlled through proactive site management:

- Water suppression will be used during demolition and cutting activities.

- All skips and material storage areas will be covered to prevent wind-blown dust.
- Regular monitoring of air quality will be undertaken, particularly during high-risk activities.

4.3 Waste Management

Waste will be managed in accordance with the Waste Hierarchy and Duty of Care regulations:

- Waste will be segregated into recyclable, non-recyclable, and hazardous streams.
- Licensed waste carriers will be used for all waste removal.
- Waste transfer notes will be maintained and audited regularly.
- Materials will be reused on site where feasible to reduce landfill disposal.

4.4 Water and Pollution Control

Measures will be taken to prevent contamination of watercourses and drains:

- No pollutants will be discharged into surface or foul water systems.
- Spill kits will be available on site and staff trained in their use.
- Temporary drainage systems will be installed to manage surface water and prevent flooding.
- Fuel and chemicals will be stored in bunded areas away from drainage points.

4.5 Ecology and Biodiversity

Although the site is urban and previously developed, ecological considerations will be respected:

- Vegetation clearance will be scheduled outside of bird nesting season (March to August).
- Any unexpected findings of protected species or habitats will be reported to the local authority and works paused until guidance is received.
- Lighting will be directed away from any green corridors to avoid disturbing nocturnal wildlife.

4.6 Traffic and Site Access

Traffic management will be critical to maintaining safety and minimising disruption:

- Deliveries will be scheduled to avoid peak traffic times and school hours.
- A designated loading/unloading area will be established within the site boundary.

- Clear signage will be installed to guide pedestrians and vehicles safely around the site.
- Parking for site operatives will be arranged to avoid congestion on Perrott Street.

4.7 Materials and Resource Efficiency

Sustainable construction practices will be adopted:

- Insulation materials such as Actis Hybris and HControl Hybrid will be used to achieve high thermal performance.
- Materials will be sourced locally where possible to reduce transport emissions.
- Energy-efficient systems including heat pumps and solar panels will be installed to reduce operational carbon emissions.
- Timber and other materials will be FSC-certified or equivalent.

5. Emergency Procedures

A site-specific emergency response plan will be developed and communicated to all personnel. Key elements include:

- Fire safety measures including sprinkler systems, smoke and heat alarms, and fire-rated doors.
- Spill response procedures with designated personnel trained in containment and clean-up.
- Emergency contact list including local fire brigade, environmental agencies, and medical services.
- Evacuation routes and muster points clearly marked on site.

6. Monitoring and Reporting

Environmental performance will be monitored throughout the construction phase:

- Weekly site inspections will be carried out to check compliance with the CEMP.
- Monthly environmental reviews will be conducted and documented.
- An incident log will be maintained to record any breaches or near misses.
- Reports will be submitted to the client and local authority as required.

7. Communication and Training

Effective communication is essential for successful environmental management:

- All site personnel will receive an induction covering environmental procedures and responsibilities.
- Regular toolbox talks will be held on topics such as waste segregation, spill response, and noise control.
- A community liaison contact will be appointed to handle complaints or queries from local residents.
- Updates to the CEMP will be communicated to all relevant parties.

8. Review and Updates

This CEMP is a live document and will be reviewed:

- Monthly during the construction phase.
- Following any significant environmental incident.
- In response to changes in legislation or planning conditions.

All updates will be recorded and distributed to the project team