

# Construction Environmental Management Plan (CEMP)

**Project:** Re Roof & Extension to Existing Manufacturing Facility

**Client:** Salamander Fabrications Ltd

**Site Address:** Salamander Works, Old Bank, Slaithwaite, Huddersfield, HD7 5HB

**Principal Contractor:** TH Construction UK Ltd

**Principal Designer:** Steve Mitchell

**Duration:** Estimated 8-12 weeks

**Document Version:** V1.1

## 1. Purpose

This Construction Environmental Management Plan (CEMP) sets out the environmental controls and management procedures that will be implemented during the construction of the proposed extension to ensure:

- Compliance with relevant environmental legislation.
- Protection of neighbouring properties and businesses.
- Prevention of pollution.
- Minimisation of waste.
- Control of noise, dust and vibration.
- Protection of local ecology and watercourses.

## 2. Site Description

The project comprises the construction of a small extension and re-roofing to the existing Salamander Fabrications manufacturing facility.

The works may include:

- Site clearance.
- Excavation and foundations.
- Steel frame erection.
- External cladding installation.
- Roofing works.
- Drainage connections.
- Internal fit-out.

Construction activities will occur within the existing site boundary where reasonably practicable.

### **3. Environmental Responsibilities**

#### **Site Manager**

The Site Manager, Michael Haskell, Managing Director of Salamander Fabrications, and Thomas Hirst, Managing Director of TH Construction UK Ltd, shall:

- Implement this CEMP.
- Conduct environmental inspections.
- Ensure subcontractor compliance.
- Investigate environmental incidents.
- Maintain environmental records.
- Ensure the biodiversity requirements in Section 10 are implemented.
- Ensure that any required ecologist/ECOW is appointed and engaged before relevant sensitive works commence if/when required.

#### **Contractors**

All contractors shall:

- Comply with this plan.
- Prevent pollution.
- Minimise waste.
- Report incidents immediately.
- Follow all biodiversity protection measures, exclusion zones, fencing, signage and ecological method statements.
- Immediately report any unexpected protected species, nesting birds or other ecological feature to the Site Manager.

### **4. Working Hours**

Normal construction hours:

- Monday to Friday: 07:30 – 18:30
- Saturday: 08:00 – 13:00 (if required)
- Sunday and Bank Holidays: No works unless agreed in advance.
- Noisy operations shall be restricted to normal working hours, 07:30 - 16:15.

### **5. Noise Management**

The following controls will be implemented:

- Use modern, maintained equipment.
- Switch off plant when not in use.
- Position generators away from neighbouring properties.
- Minimise reversing alarms and unnecessary idling.
- Avoid simultaneous high-noise activities where possible.
- Monitor complaints and take corrective action promptly.
- Any exceptionally noisy activities will be planned and communicated in advance.

## **6. Dust and Air Quality Control**

To minimise nuisance dust:

- Dampen down surfaces during dry weather.
- Cover skips containing dusty materials.
- Cover vehicles transporting loose materials.
- Sweep hard surfaces regularly.
- Maintain clean site access routes.
- Restrict vehicle speeds on site to 10 mph.
- If significant dust is generated, additional suppression measures will be introduced.

## **7. Pollution Prevention**

### **Fuel and Oil Storage**

- Fuel stored in double-bunded containers.
- Refuelling undertaken in designated locations.
- Spill kits available at all times.
- Weekly inspections of storage areas.

### **Spill Response**

In the event of a spill, the spill kits are located in the 'blue' highlighted areas on the attached/below plan:

1. Stop the source.
2. Contain the spill.
3. Prevent entry into drains.
4. Use absorbent materials.
5. Dispose of contaminated materials correctly.
6. Record and investigate the incident.

## **8. Water Management**

The contractor shall:

- Prevent contaminated water entering surface water drains.
- Protect all drainage systems during construction.
- Maintain good housekeeping.
- Inspect drainage protection measures regularly.
- Concrete washout shall only occur in designated contained areas.

### **Pollution Prevention Plan for Watercourses and Waterbodies**

A specific Pollution Prevention Plan shall form part of this CEMP and shall be implemented for works with the potential to affect watercourses or waterbodies. The plan shall follow good practice guidance, including CIRIA C532, and shall address the prevention, containment and response to pollution during construction.

- Identify watercourses, waterbodies, drainage routes and potential pathways by which sediment, silt, fuel, oil, concrete or other contaminants could reach them.
- Provide appropriate physical controls to prevent contaminated runoff entering drains or water environments.
- Maintain drainage protection and inspect it regularly throughout construction.
- Store fuels, oils and other potentially polluting substances securely and away from drainage pathways where practicable.
- Use designated contained areas for concrete washout.
- Provide spill kits and ensure relevant site personnel know their location and use.
- Stop, contain and report pollution incidents immediately and prevent further migration to drains or watercourses.
- Inspect pollution prevention measures following significant rainfall and after any pollution incident.
- Retain records of inspections, incidents and corrective actions in the site file.

## **9. Waste Management**

The project will follow the waste hierarchy:

7. Prevent
8. Reduce
9. Reuse
10. Recycle
11. Recover
12. Disposal

### **Waste Streams**

- Concrete
- Stone
- Soil
- Timber
- Metals
- Packaging
- General construction waste

### **Requirements**

- Segregated skips where practical.
- Licensed waste carriers only.
- Waste transfer notes retained.
- Recycle all stone.
- Metal waste recycled whenever possible.

## **10. Ecology Protection and CEMP: Biodiversity**

### **Summary of Potentially Damaging Activities**

Potentially damaging activities identified from the proposed works include:

- Site clearance and any vegetation removal.
- Excavation and foundation works.
- Movement and operation of construction plant and vehicles.
- Steel frame erection and external construction activities.
- Roofing, cladding and other building works that may affect nesting birds or other building-associated species.
- Drainage connections and activities with potential to affect surface water drainage.
- Storage or handling of fuel, oil, chemicals, concrete and other materials that could cause pollution.
- Temporary lighting and construction activity that could disturb bats or other nocturnal wildlife.

### **Biodiversity Protection Zones**

Biodiversity protection zones shall be established before relevant works commence. The precise extent and location of each zone shall be confirmed by the Site Manager, with input from a competent ecologist/ECOW where required, and marked clearly on the site plan and on the ground.

- Areas of retained vegetation or habitat that are not required for construction shall be treated as protected areas.
- Any identified nesting bird areas, bat features, protected species features or other ecologically sensitive features shall be protected by an appropriate exclusion zone.
- No storage of materials, spoil, plant, fuels or waste shall take place within biodiversity protection zones.
- Construction traffic shall not enter protection zones unless specifically authorised as part of an approved ecological method statement.
- Protection zones shall remain in place for the duration of the relevant risk period or until the competent ecologist/ECOW confirms that the restriction can be removed.

### **Practical Measures and Sensitive Working Practices**

- Site clearance shall be limited to the minimum area required for the works.
- Vegetation removal shall be avoided during the nesting bird season where practicable; where removal is necessary, a pre-works check shall be undertaken by a suitably competent person.
- No active bird nest shall be damaged, destroyed or disturbed. If an active nest is identified, works in the immediate area shall stop and appropriate advice shall be obtained.
- Any protected species or other ecological feature identified during construction shall be reported immediately to the Site Manager and protected pending advice from a competent ecologist.
- External lighting shall be directed away from potential bat foraging routes and adjacent habitat and shall be limited to the minimum required for safe working.
- Construction materials, spoil and waste shall be kept within designated areas and away from protected habitats and drainage routes.
- Plant and machinery shall remain within designated working areas wherever practicable.
- Any ecology-specific controls required by an ecologist shall be implemented through method statements or toolbox talks before the relevant activity starts.

### **Location and Timing of Sensitive Works**

Sensitive works shall be planned so that potential impacts on biodiversity features are avoided or reduced. The Site Manager shall review the programme before each relevant activity and confirm that the required ecological controls are in place.

- Vegetation clearance shall be programmed outside periods of active nesting wherever practicable and shall only proceed following the required pre-clearance inspection.
- Works close to any identified ecological feature shall be carried out only within the agreed working area and in accordance with any ecological method statement.
- Works with potential to affect watercourses, waterbodies or drainage shall be planned with pollution prevention controls in place before the activity starts.
- Any timing restrictions or exclusion periods identified by a competent ecologist shall be incorporated into the construction programme.

### **Specialist Ecologist Attendance**

A suitably qualified specialist ecologist shall be engaged where ecological supervision is required by the approved CEMP: Biodiversity, by a pre-works survey, or where unexpected ecological features are identified.

- The ecologist/ECoW shall attend site during sensitive works where specialist oversight is required.
- The required attendance periods shall be identified before the relevant works commence and communicated to the Site Manager and contractors.
- Where an ecologist identifies a requirement for additional supervision or further survey, the Site Manager shall ensure that the relevant work is paused or controlled until appropriate advice has been obtained.

### **Responsible Persons and Lines of Communication**

- Overall implementation: Site Manager – Michael Haskell / Thomas Hirst.
- Day-to-day environmental controls: Site Manager and appointed site management team.
- Ecological advice and specialist supervision: appointed competent ecologist/ECoW, where required.
- All contractors and subcontractors: responsible for complying with the approved controls and immediately reporting ecological concerns to the Site Manager.
- Environmental or ecological incidents: report immediately to the Site Manager, who shall determine whether specialist ecological advice or further notification is required.

### **Ecological Clerk of Works (ECoW)**

Where required by the approved CEMP: Biodiversity or identified by the competent ecologist, an Ecological Clerk of Works (ECoW), or similarly competent person, shall oversee relevant ecological protection measures on site.

- Brief site personnel on ecological constraints and working methods.
- Check that biodiversity protection zones, exclusion areas and protective measures are correctly established.
- Oversee sensitive works where specialist supervision is required.
- Advise the Site Manager on unexpected ecological findings and required controls.
- Record ecological inspections, advice, incidents and corrective actions.

- Confirm when agreed ecological controls can be altered or removed.

### **Protective Fences, Exclusion Barriers and Warning Signs**

- Protective fencing shall be installed around identified biodiversity protection zones where physical exclusion is necessary.
- Exclusion barriers shall be maintained in good condition and shall not be moved, removed or breached without authorisation.
- Clear warning signs shall identify biodiversity protection zones and areas where access is prohibited or restricted.
- Site personnel and subcontractors shall be informed of the purpose of the barriers and signs during site induction/toolbox talks.
- Damaged fencing, barriers or signs shall be repaired or replaced promptly.

The approved CEMP: Biodiversity shall be adhered to and implemented throughout the construction period strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

Reason: In the interests of biodiversity and in accordance with Policy LP30 of the Kirklees Local Plan and Chapter 19 of the National Planning Policy Framework.

## **11. Vehicle Management**

To minimise environmental impacts:

- All deliveries go through Salamander Fabrications purchasing and delivery department to ensure we reduce the risk of traffic congestion.
- As shown on the attached/below plan the designated delivery route is located in the 'green' highlighted area.
- Engines switched off when stationary.
- Materials stored safely within site boundaries.
- A banksman shall be used when required.

## **12. Materials Storage**

Materials shall be:

- Stored securely within the fenced areas.
- Protected from weather conditions.
- Prevented from entering drainage systems.
- Kept clear of emergency access routes.
- Hazardous substances shall be stored in accordance with COSHH requirements.

## **13. Emergency Procedures**

Environmental emergencies include:

- Fuel spills
- Oil leaks

- Chemical releases
- Fire water contamination

Emergency contacts shall be displayed on the site notice board.

All environmental incidents shall be reported to the Site Manager immediately.

**Emergency contact details:**

- Michael Haskell (site manager): 07973726913
- Thomas Hirst (site manager): 07717743650
- Trevor Paga (deputy site manager): 07905623163
- Ben Mubwandarikwa (QHSE manager): 07429155872

## **14. Monitoring and Inspection**

The site manager shall undertake:

- Weekly environmental inspections.
- Waste management checks.
- Dust and noise observations.
- Drainage inspections.
- Spill kit inspections.
- Checks that biodiversity protection zones, fencing, barriers and warning signs remain in place and effective.
- Ecological inspections or ECoW checks where required

Records shall be retained in the site file.

## **15. Community Liaison**

To maintain good relations with neighboring businesses and residents:

- The site will be kept tidy.
- Excessive noise minimised.
- Complaints logged and investigated.
- Corrective actions implemented where required.

## **16. Environmental Objectives**

The project aims to:

- Prevent environmental pollution.
- Recycle maximum construction waste.
- Avoid environmental incidents.
- Minimise nuisance dust and noise.
- Protect local ecology.
- Maintain compliance with environmental legislation.

- Avoid or reduce construction impacts on biodiversity through defined protection zones, sensitive working practices and ecological supervision where required.

## 17. Site Plan / Supporting Documents

Please see below for where Salamander deliveries, spill kits and where Salamander's fenced area is located. Attached to the email is also document D1A of the below plan which shows a clearer picture.

The approved CEMP: Biodiversity and the Pollution Prevention Plan for watercourses and waterbodies shall be retained with the site documentation and made available to site personnel and the Local Planning Authority when required.

