# CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

## 1. Project description

The proposal is for the demolition of the existing vacant former South Moor petrol filling station, and erection of 8no.2.5 storey dwellings (C3) located on Westholme Terrace, on a major arterial route into Sunderland City Centre.

**Overview of the project:** The application site is identified on the red line site location plan that accompanies the application and is approximately 876m2 (0.087Ha) in area. The site is situated within a prominent location, on a major transport route into the City Centre having formally been used as a petrol filling station. The proposals included rear access to the proposed car parking spaces and bin stores. The remedial works to existing land will be in conjunction with the Phase 2 land contamination report.

- **Site Address**: Former Southmoor Service Station, Westholme Terrace, Sunderland, SR2 9QA

- **Proposal:** Demolition of Former Petrol Filling Station, and erection of 8no. 2.5 storey dwellings (C3), including associated car parking

- **Timing of Works:** The proposed works will take approximately 8 to 10 months, and ideally would take place between February and November

## 2. PROJECT ROLES, RESPONSIBILITIES AND CONTACTS:

All positions across the project have environmental responsibilities to some extent. These vary in relation to duties described in Table 1, but everyone has a base level Duty of Care to prevent Environmental Harm as described in the Environmental Protection Act 1986.
The interdependencies of positions on the project are shown in Table **1**. Following names and contact numbers are correct for this revision but may change during the project.

Table 1 Project Roles, Responsibilities, Contact details

| Position | Responsibilities | Name & Contact Details |
|---|---|---|
| **Project Manager** | Construction project Manager | MR S Hair, office@redkitt.constrcution 07779442238 |
| **Site Supervisor** | Day to Day Project Management | JozefLoschner jozefloschner1980@gmail.com 07553076980 |
| **Environmental officer** | Liaison with Environmental Groups and interaction with the Main Project | Laura Atkin, laura_atkin@yahoo.co.uk 07415950660 |
| **HSE Representative** | Overall Health and Safety | JozefLoschner jozefloschner1980@gmail.com 07553076980 |
| | | |

## 3. TRAINING, AWARENNESS AND COMPETENCY

Training will be provided to all team members and contractors. The Construction Management plan and Construction Environment Management plan will form part of the tender documents. All contractors will be expected to fully understand the contents and ensure that all site workers fully comply. The contents of the documents will be discussed through out the project in the following ways:

- Site Environment Induction
- Daily Pre-Start Meetings
- Environmental Toolbox Talks
- Incident bulletins
- Sub-contractors kick-off meeting
- Contractor and client site kick-off meeting

## 4. ENVIROMENT AND HERITAGE RISK MANAGEMENT

The purpose in a CEMP is to present a summary of the environment risks and controls that have been identified for the proposed construction project.
Summarised in bullet point below and in the tables that follow (Sections 4.2 – 4.7) are the risk management tables for the following environmental management areas:

- Areas to be protected
- Ecology Inspection
- Noise Management
- Dust Management
- House Keeping and Waste

- Boundary

A template table has been provided in Section 4.1 to demonstrate the components required for each topic. The template could be used throughout the project if additional areas are raised.

4.1 Template

| **Objectives** |
|---|
| **Management Strategy** |
| **Control** |
| **Performance Indicators** |
| **Monitoring** |
| **Reporting** |
| **Corrective Action (s)** |
| **Responsibility** |

**4.2 Areas to be protected**

| **Objective (s)** | **To ensure that all protected areas are known to construction personnel** |
|---|---|
| **Management Strategy** | Identify and protect all retained hedgerows ditches |
| **Control** | Fence of any area that needs to be maintained and protected |
| **Performance Indicators** | Fences to be maintained and inspected |
| **Monitoring** | Conduct Weekly checks and ensure that fences are intact |
| **Reporting** | Document and report any defective fences |
| **Corrective Action (s)** | Where necessary, repair and fencing |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor |

### 4.3 Ecology and Inspections

| Objective (s) | To minimise protect any species living or travelling across the development site |
|---|---|
| **Management Strategy** | To minimise protect any species living or travelling across the development site |
| **Control** | *Torq ecologist to advise the project manager of specific monitoring that is required, depending on the start date of any excavation.*<br>Site to be cleared West to East<br>Any works being carried out near to the East Dyke to have<br>an ecologist on site. Any trenches left over night to be<br>covered and a ramp to be left in the trench.<br>During the landscaping phase to avoid harm to any biodiversity feature. |
| **Performance Indicators** | No reptiles or birds harmed during the construction phase. |
| **Monitoring** | Scheduled visits by ecologist Daily inspections of worksite |
| **Reporting** | All visual observations records (forms / photos etc.)<br>Ecologist informed and advice taken as to when the development could restart |
| **Corrective Action (s)** | Ecologist to advise and appropriate action taken |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor respectively |

### 4.4 Noise Management

| Objective (s) | 1. To minimize the impacts of noise on the amenity of the surrounding areas.<br>2. Construction activities undertaken in accordance with *AS 2436-1981 Guide to Noise Control on Construction, Maintenance and Demolition* Sites.<br>3. Construction activities undertaken in accordance with *Environmental Protection (Noise) Regulations 1997* |
|---|---|
| **Management Strategy** | Noise to be managed primarily through administrative and equipment controls during the construction phase. |
| **Control** | All equipment used during the construction phase to be regularly maintained to ensure efficient operation.<br>Pre-start checks and maintenance schedules to ensure equipment performance is as required.<br>Noise-dampening equipment to be used on equipment with excessive noise generating characteristics.<br>Construction activities in accordance with AS2436-1981 Guide to Noise Control on Construction, Maintenance and Demolition Sites. |
| **Performance Indicators** | No complaints from adjacent commercial premises and/or community |
| **Monitoring** | Daily inspection of works sites to occur<br>Service logs for equipment/machinery used on site |
| **Reporting** | Any complaints or incidents to be reported to PPA project manager. |
| **Corrective Action (s)** | Investigate cause of excessive noise. Implement corrective measures prior to the recommencement of site works<br>Reschedule of noise-generating activities to reduce noise annoyance |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor respectively |

### 4.5 Dust Management

| Objective (s) | 1. To ensure the impacts of dust on adjacent areas and the community are minimized. |
|---|---|
| **Management Strategy** | Dust issues managed principally by emission controls at source, and administrative controls during works |
| **Control** | Area to be disturbed minimized. Clearance lots to be approved by Project Manager. Where dust is identified as an issue, dust control measures will be implemented.<br>These will primarily be the use of water carts but may include surface treatments.<br><br>Vehicle movements controlled and kept to established tracks and haul roads. Dust awareness issues in environmental induction process |
| **Performance Indicators** | No complaints from adjacent commercial premises and/or community |
| **Monitoring** | Daily inspection of works sites to occur, including:<br>• visual check for dust crossing the site boundaries<br>• visual check of high potential dust areas, such as haul roads, stockpiles and operational areas |
| **Reporting** | Any complaints or incidents to be reported to PPA project manager |
| **Corrective Action (s)** | Investigate cause of excessive dust<br>Implement controls immediately (e.g. water carts)<br>Implement corrective measures prior to the recommencement of site works<br>Implement administrative controls if required, such as rescheduling of dust generating activities to more favourable weather conditions |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor respectively |

### 4.6 House Keeping and Wastes

| Objective (s) | Reduce waste volume, maximize recycling, reuse, and recovery, prevent any construction waste/litter entering the environment. |
|---|---|
| **Management Strategy** | Minimise environmental impacts through appropriate controls and site inductions of employees and sub-contractors |
| **Control** | Provide appropriate waste bins, type, volume and service frequency to accommodate anticipated waste streams.<br>All loads arriving or leaving the site will be appropriately secured.<br>Provide information regarding waste management in site specific inductions, including waste separation and importance of securing vehicle loads.<br>Ensure licensed contractors are used to collect controlled wastes |
| **Performance Indicators** | Hazardous materials all appropriately disposed. Recycling of all recyclable construction metal waste Records kept of waste leaving site. Records kept of waste leaving site |
| **Monitoring** | Daily inspection of work site to occur. Review of waste bins (% full, time to next service).<br>Waste volumes leaving site from waste contractors |
| **Reporting** | Environmental incident reports |
| **Corrective Action (s)** | Investigate cause of inappropriate waste disposal<br>Review cause of issue and develop response, such as variation to bin size, service schedule or waste separation awareness.<br>Implement controls |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor respectively |

### 4.7 Boundary Protection

| Objective (s) | 1. To minimize the impact to existing hedgerows<br>2. To prevent material entering any watercourse |
|---|---|
| **Management Strategy** | Ensure impacts to hedges are minimised, and impacts outside the disturbance zone are avoided |
| **Control** | Provide site specific information on hedges and boundaries.<br>Include toolbox talks for site specific hedges and boundary information during project to ensure currency of information<br>Ensure no activities outside the works zone through clear delineation of the works area, and communication in site inductions<br>Ensure traffic is restricted to established tracks and roads, and speed limits observed.<br>Where excavations are carried out near to hedges and boundaries, ensure the workforce clearly understand the importance of following procedures to ensure that the hedges are not damaged and that no excavation material enters any water cours |
| **Performance Indicators** | No disturbance outside the<br>disturbance zone No hedges<br>damaged<br>No exaction material entering any watercourse |
| **Monitoring** | Daily inspection of work site to occur |
| **Reporting** | Sightings and incidents reported in weekly contractor meetings |
| **Corrective Action (s)** | Investigate cause of incident<br>Review opportunities/constraints for further minimisation of potential incidents given work procedure parameters<br>Implement corrective measures prior to the recommencement of site works |
| **Responsibility** | The above indicators will be monitored by the Project Manager and Site Supervisor respectively |