Client: **National Parks & Wildlife Service**

Location: **Caher, Kilgarvan, County Kerry**

ITM Coordinates: **503660, 574090**

Job: **Construction Environmental Management Plan (CEMP)**

INTRODUCTION

National Parks & Wildlife Service has obtained planning permission to (a) upgrade existing vehicular entrance, (b) construct a hibernaculum (bat roost) and ancillary site works at Caher East, Kilgarvan, County Kerry. Planning permission has been granted under PRN 26/60166. It is also proposed to refurbish an existing derelict cottage for use as a summer bat roost.

Please note that the Applicant will ensure adherence to the CEMP by making compliance with same a requirement of any contract associated with this development. This document is to cover the management of the Main contractor's activities and those of any sub-contractor working under the main contractor's control. The CEMP defines the minimum requirements that must be met.

SCOPE OF DOCUMENT

This construction environmental management plan outlines how the proposed development will avoid, minimise or mitigate effects on the natural environment and surrounding local community. CEMPs ensure that environmental impacts associated with the project are managed in a practical yet environmentally friendly way and will ensure that the development complies with environmental regulations and other statutory legislation

It should be noted that fuelling of and repair works to any machinery will take place off site and not at the location of this development.

PROTECTION OF WATER RESOURCES

The following activities give rise to potential risks to water course contamination. The proposed mitigating measures against this have been identified.

a) Deliveries

Any deliveries required for this development will be delivered to the roadworks site.

Special care is to be taken during deliveries, especially when fuels and hazardous materials are being handled. All deliveries are to be supervised by a responsible person so that storage tank levels are checked before delivery to prevent overfilling and that the product is delivered to the correct tank. Contingency plans are to be agreed and suitable materials available to deal with any incident that occurs. All employees are to be briefed on the actions that are required in the event of a spillage. Any spillages are to be recorded and advised to the supervising Engineer who will inform the EPA/Local Authority if they deem it significant.

THESE MITIGATING MEASURES ARE TO BE IMPLEMENTED BY THE MAIN CONTRACTOR THROUGHOUT THE DEVELOPMENT

b) Storage

Any storage required for this development will be stored at the designated are outside the cottage.

Many of the materials used in construction operations, such as oil, chemicals, cement, lime, cleaning materials and paint have the potential to cause serious pollution. All fuel, oil and chemical storage must be sited on an impervious base within a bund and secured. The base and bund walls must be impermeable to the material stored and of an adequate capacity. Leaking or empty oil drums must be removed from the site immediately and disposed of via a licensed waste disposal contractor. The contents of any tank are to be clearly marked on the tank, and a notice displayed requiring that valves and trigger guns be locked when not in use.

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c) Security

d) Silt

Water containing silt is never to be pumped directly into the surface water drains. Silty water can arise from excavations, exposed ground, stockpiles, plant and wheel washing.

i) Excavations

Measures are to be taken to prevent water from entering excavations. This could be using cut-off ditches to prevent entry of surface water and well point dewatering or cut-off walls for ground water. Personnel and/or plant are not to disturb water in the excavation. The means of dewatering excavations in the event there is ingress is to be agreed by the contractor in advance with the supervising Engineer.

ii) Spoil heaps

Spoil heaps are to be located and configured in a way that will avoid the risk of contamination of drainage ditches.

iii) Plant and wheel washing

Not required as vehicles will not enter the public road network until works are completed.

iv) Site access/Temporary construction access points

These are to be kept free from dust and mud deposits. In dry weather dust suppression measures may be required.

v) Dealing with silty water

To be allowed to settle in ponds and filtered through straw if required

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(e) Refuelling

Refuelling of vehicles associated with this development will take place off site.

The risk of spilling of fuel is at its greatest during the refuelling of plant. Mobile plant is to be refuelled in a designated area in the roadworks site, preferably on an impermeable surface away from any drains or watercourses. A spill kit is to be available in this location. Hoses and valves are to be checked regularly for signs of wear and turned off and securely locked when not in use. Diesel pumps and similar equipment are to be placed on drip trays to collect minor spillages. These should be checked regularly and any accumulated oil removed for disposal.

Spillage response plan

- As already stated, please note that fuelling of plant and equipment will be carried out offsite on a hardstanding area to be provided by the main contractor, thereby eliminating the requirement for bulk storage of diesel onsite and potential for discharge to ground.
- Also note that all hazardous liquids and hydrocarbons stored on site will be contained in a waterproof bunded area of sufficient volume to hold 110% of the volume of the largest tank within the bund.
- All valves on the tanks will be contained within the bunded areas. All operations involving the loading and unloading of the hydrocarbon products will take place in the bunded area in such a manner as to avoid any pollution of waters
  In the event of a spillage:-
- A spill kit will be maintained onsite. This will be equipped with suitable adsorbent materials, refuse bags etc. to allow for the appropriate clean up and storage of contaminated materials in the event of a spill or leak occurring. The location of the spill kit will be obvious to all staff and it shall be checked on a weekly basis to ensure that it is fully replenished,
- All staff will be trained and made aware of the relevant contingency plans, including the location of the spill kit, the operation of the spill kit and the notification protocols that are to be adhered to.

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f) Dust minimisation

In order to minimise dust that may arise during the development the following dust minimisation plan will be implemented :-

- The main source of dust will be from vehicle movement, excavation and filling works in dry weather periods.
- The dust itself will be inert, but if unchecked could cause irritation to eyes and leave a dust layer on adjoining properties,
- In the event that any dust is being generated at any stage during the development, a water bowser (that will be on site at all stages) will be utilised to wet the surfaces sufficiently to stop the generation of any dust.
- Dust monitoring will be undertaken by key personnel and a daily log shall be maintained in this regard.

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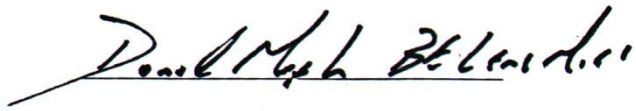
g) Light pollution

Not applicable to this development

h) Existing Onsite Wastewater Treatment System.

Not applicable to this development

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