Appendix L.1 – Draft Construction Environmental Management Plan (CEMP) Contents
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Appendix L – Impacts and Aspects Register

Appendix M – Maintenance Environmental Management Plan (MEMP)
Dusty materials should be removed from site as soon as possible. Careful positioning of site offices, compounds and car parks, with grass seeded bunds around sensitive perimeters to provide appropriate screening and integration. Loads entering and leaving the site with dust generating potential should be covered and wheel washing facilities made available.

PCP, DMP, CEMP

Ch4800-Ch 5000: Edges of cutting would be bounded by new hedgerows, tied in to surrounding field pattern. All boundary features would be recorded prior to the start of construction and results submitted to GATHER. Culverts would not be fitted with grilles or screens. Hedgerow and vegetation translocation and planting will be employed to maintain connectivity where practicable (ref LS8-LS25) as described in NCHV1-4. (ref LS8-LS25) as described in NCHV1-4. Aftercare Management Plan

Planting plans and schedules

Structures S101, 104, 109A, 110, 110A, 112A, 112B, 102, 113A, 105 are increased in size from the minimum required cross section in order to improve bat permeability. S111A (Bryn Mafon Culvert 1) would be built specifically as a bat crossing. Additional mitigation measures where construction occurs within 50m of sensitive receptors: Morogoro, Glan Gwna Holiday Park, Tyddyn Hen, all access points, all plant crossing points. When required excavation of linings, reinforced concrete structures and adjacent land would be carried out and remediation measures be taken to minimize dust generation. Relocation of listed milestone 22047. Sensitive design and placing of site signage, in order to provide the required information whilst limiting wider landscape and visual impacts.
Activity surveys at the 14 existing transects in May, July (dusk only) & September (dusk & dawn) in 2016, 2017 (pre-construction), 2018-2019 (construction) and 2020-2024 (post construction). During construction transect surveys will change to CEMP, MEMP, Noise & Vibration Management Plan. The use of non-reciprocating construction plant where ever practicable should be avoided. ES Vol 1 Sec 11.5.1. Loss of dormouse habitat would be mitigated by planting of hedgerows and woodland ES Vol 1 Sec 11.5.1. Open grassland areas: During operation in the summer months a cutting height of no less than 50mm would be set to minimise the risk of reptiles being harmed. Mammal-resisitant fencing to be provided along the Scheme where shown on the EMPs. Should peat be encountered during construction, the likely extent should be investigated and appropriate measures taken to ensure it is not adversely affected by the Scheme. ES Vol 1 Sec 11.5.1. trimming of hedgerows and scrub would take place during winter months to avoid disturbing or matality of dormice in summer nests. Hedgerow would be planted using a range of locally native tree and shrub species (refer to the habitat survey target notes in Volume 3. CECP, Noise & Vibration Management Plan. No excavations will be left open overnight or when this is necessary, at least one means of escape provide. CECP, Noise & Vibration Management Plan. Groundwater sampling where there is sufficient flow to allow samples to be retrieved; and ES Vol 1 Sec 9.5.1. Mammal crossings provided at the following locations as shown in the structures location plan and EMPs. Further climbing inspection surveys identified as a future requirement for all trees categorised a 1 or 1* with those categorised as 2 identified to be soft felled only. Inspections and any subsequent emergence/ re-entry surveys or further climbing inspections undertaken amount of the year post-construction works (2017).
A plan of works specifying techniques, locations, detonation depths and maximum charge sizes will be devised to minimise adverse effects as far as practicable and included in the CEMP.

Water provision would be maintained wherever possible and where severance is unavoidable, owners would be compensated to provide either temporary or permanent water supplies.

Dinas Farm:
- Public Rights of Way Diversions (Appendix K of CEMP)
- Vol 1 Sec 12.5.1
- New culvert crossings and watercourse diversions to be monitored and maintained.
- Enforce tight control of site boundaries including minimal land clearance and restrictions on the use of machinery adjacent to water bodies. Where possible, do not locate stockpiles within 10m of water bodies or drainage lines.
- Advance warning given to farmers to allow planning ahead for year in relation to crop loss and timing impacts.
- Detailed design
- Public Rights of Way Diversions (Appendix K of CEMP)
- Vol 1 Sec 12.5.1
- New road would remain open during construction.
- Stormwater management features including swales and detention basins will be maintained.
- Temporary crossing following line of new alignment would be put in place at approx. Ch1100 in order for PRoW Llanwnda Rhif 10 to cross the Scheme. Signage and fencing required.
- Glanrafon Bach:
- Detailed design
- Ty-Hen Farm:
- ES Vol 1 Sec 14.5.2
- Construction site lighting limited to specific locations where it is absolutely necessary for public safety or security. Light spill to be minimised by directing lighting downwards onto rather than across areas.
- would be provided with access to severed land east of the industrial estate. On the main holding, an underpass would be provided together with a new farm track to enable dairy cows and cattle to access land otherwise severed.
- New and existing surface water management features including swales and detention basins to be maintained.
- RSW9:
- Road Drainage and the Water Env.
- Avoid undertaking works during periods of high flow to prevent transportation of sediment downstream.
- Operational mitigation
- For works located within Zone 3 and in close proximity to watercourses it is recommended that the contractor prepares and implements a Flood Emergency Response Plan during the construction phase.

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Amendments to Site edges and mitigation:
- PCCP
- Detailed design
- OTH1
- OTH2
- OTH3