Environmental Impact Assessment (EIA) Report

LT384 Tealing to Westfield Overhead Line (OHL) 400 kV Upgrade

November 2024

VOLUME 2: CHAPTER 17 – SCHEDULE OF ENVIRONMENTAL COMMITMENTS

Figures (Volume 3 of this EIA Report)

There are no figures associated with this chapter.

Appendices (Volume 4 of this EIA Report)

There are no Appendices associated with this chapter.

17. SCHEDULE OF ENVIRONMENTAL COMMITMENTS

17.1 Introduction

17.1.1 The design of the Proposed Development has evolved taking account of environmental considerations throughout the design process to avoid or reduce potential environmental impacts where possible.

17.1.2 This chapter provides a summary of the additional environmental mitigation measures that have been described in each environmental topic chapter (Chapters 7 to 14, Volume 2), which will need to be part of the implementation of the Proposed Development. The Principal Contractor will be required to carry forward the mitigation measures outlined within this report.

17.2 Schedule of Environmental Commitments

17.2.1 Table 17-1 below collates the specific mitigation commitments outlined in each environmental topic chapter for ease of reference and for use by those overseeing the relevant contract documents.

17.2.2 The Schedule of Environmental Mitigation table includes the following information:

- Mitigation reference number (derived from the environmental topic and mitigation item number);
- Description of the mitigation measure (including its purpose and location);
- Timing of the mitigation measure; and,
- Specific monitoring, consultation and approval required for the mitigation item.

Table 17-1 Schedule of Environmental Mitigation

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
Standard Mitigation						
SM-1	Throughout Proposed Development	Pre-Construction and Construction	A CEMD will be prepared as part of the Contract Documents. This document details how the Principal Contractor will manage the site in accordance with all commitments and mitigation detailed in this EIA Report, statutory consents and authorisations, and industry best practice and guidance. The CEMD will also reference the Applicant's GEMPs and SPPs. The implementation of the CEMP will be managed on-site by a suitably qualified and experienced ECoW, with support from other environmental professionals as required.	To provide an overarching framework for the implementation of construction activities in accordance with the environmental commitments and mitigation measures within this EIA Report. It should be developed in line with best practice guidance and seek to avoid, reduce or mitigate construction impacts on the environment and the surrounding community.	Consultation with the relevant local authorities and other statutory consultees. Approval by SSEN Transmission.	As described under topic specific mitigation.
SM-2	Throughout Proposed Development	Pre-Construction and Construction	SEPA produces a series of PPGs (currently undergoing replacement by GPPs) and the principles of any relevant PPGs / GPPs should be incorporated into the CEMP. Particular attention should be paid to the following: • PPG 1: General guide to the prevention of pollution (or its replacement GPP when published); • GPP 5: Works and maintenance in or near water; and • PPG 6: Working at construction and demolition sites (or its replacement GPP when published).	To ensure implementation of good working practices.	None required.	As described under specific PPGs / GPPs.
SM-3	Throughout Proposed Development	Pre-Construction	An ECoW should be appointed by the Principal Contractor.	Monitor the implementation of mitigation measures identified in the EIA Report and ensure that activities are carried out in such a manner as to prevent or reduce impacts on the environment.	Approval by SSEN Transmission.	As relevant under specific topic commitments.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
SM-4	Throughout Proposed Development	Pre-Construction and Construction	Access to / from residential, business, commercial and agricultural assets will be maintained throughout the construction period by means of signed diversions, where necessary. The estimated duration and location of these diversions will be communicated to affected parties a minimum of two weeks in advance before they are put in place.	To inform stakeholders throughout the construction period and maintain access to/from residential, commercial and industrial and agricultural, assets.	Local residents, businesses and landowners.	None required.
SM-5	Throughout Proposed Development	Pre-Construction and Construction	Existing access arrangements to any other land will not be prevented by the construction works during or post construction, unless alternative access is provided.	To maintain access to/from residential, commercial and agricultural land.	Local landowners where necessary.	None required.
SM-6	Throughout Proposed Development	Construction	The Principal Contractor will ensure that all site workers receive adequate training relevant to their role prior to working on the construction site, including specific environmental project inductions and 'toolbox talks' as required.	To ensure that site workers are aware of best practice construction methods, mitigation measures and how they are implemented.	None required.	None required.
SM-7	Throughout Proposed Development	Construction	Construction traffic drivers will be made aware of the risk of encountering footpath users, including equestrians on roads and tracks where these intersect with core paths.	For the safety of footpath users, including equestrians.	None required.	None required.
SM-8	Throughout Proposed Development	Pre-Construction	SGN will be contacted prior to works beginning.	To ensure any plant / machinery intending to cross over High-Pressure pipelines is either under the safe weight limit to cross the pipeline or to ensure ground protection is installed.	Approval by SGN.	None required.
SM-9	Throughout Proposed Development	Pre-construction and Construction	Damage to / disturbance of soils, soils compaction, soils erosion and soil storage should be mitigated through the design process, best practice, a CEMD and by having a geotechnical specialist present onsite to monitor the construction works relating to the ground and provide specialist advice, where required.	To ensure the correct treatment of soils, including agricultural soils.	None required.	None required.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
Ecology						
E-1	Towers 72-73	In advance of works and during construction	A licence would be required from NatureScot for works within 250 m of great crested newt breeding pond TW07, for which mitigation would be required. Mitigation would be detailed in a Species Protection Plan for the licence application, but would likely include: • timing works within 250m of pond TW07 to be within the hibernation period (October to February inclusive) and conducting a prior pre-construction check outside of this period to check for potential hibernacula (e.g. boulder piles or gappy dry stone walls) that would be damaged or destroyed and to dismantle them under ECoW supervision; and • if vegetation clearance is carried out in the active season, hand searching for newts within the working area(s) for all works within 250m of pond TW07, with vegetation clearance to be phased and under ECoW supervision (i.e. cut to high level then progressively lower, to encourage movement of newts away from area). (Note: excluding newts from working areas is very onerous and a last-resort option).	To avoid injuring or killing great crested newts during construction and to ensure compliance with legislation.	NatureScot licence required.	ECoW to check compliance as necessary. Monitoring may be required as part of licence mitigation, if licencing is found necessary.
E-2	Access to Pitmedden Wood from the east	During detailed design and construction	Access upgrades preferably directed southwards rather than northwards towards the Lochmill SSSI boundary, and microsited so as to avoid passing Lochmill Loch SSSI boundary (which is about 7 m north of the existing track). In the event that passing places or any other track would be required within the SSSI boundary, the extent of habitat loss would be minimised as far as possible and tree loss should be avoided, and authorisation will be sought from NatureScot.	To avoid any work within the Lochmill Loch SSSI boundary where possible. Minimise habitat loss in the SSSI and ensure NatureScot authorisation where required.	NatureScot to be consulted on works along this track, whether or not it actually crosses the SSSI boundary, and their authorisation would be required to proceed with works within the SSSI boundary.	ECoW to check works stay outside SSSI boundary unless NatureScot have given authorisation to go beyond it. Further monitoring may be requested by NatureScot.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
E-3	Tower 72	Detailed design and construction	Embedded mitigation already stipulates adjustment of the working area around Tower 72 to ensure no vegetation clearance or other works within 10 m of the nearby springs/ streams feeding Lochmill Loch SSSI.	To reduce risks from pollution or other indirect effects on the connected Lochmill Loch SSSI.	NatureScot to be advised on specific plans and mitigation measures at this location.	ECoW to check compliance as necessary. Further monitoring may be requested by NatureScot.
E-4	Tower 136	Detailed design	The EPZ would avoid affecting riparian habitat around the adjacent tributary of Huntly Burn as far as possible, confining works to within the arable field. The mature oak tree containing an otter layup would not be felled or damaged unless there is no possible alternative. If required as part of wayleave corridor widening, crown reduction to retain the feature will be implemented by preference. If this tree has to be felled, licensing from NatureScot will be obtained beforehand.	To prevent the destruction of an otter layup and to ensure compliance with legislation.	NatureScot licence to be obtained if it is necessary to fell the oak tree, and for any works within 30m liable to cause disturbance.	ECoW to check compliance as necessary. Monitoring would be required as part of licence mitigation, if licence found necessary.
E-5	In the vicinity of Towers 92, 114, and 160	Detailed design/ construction	A SPP would be produced to inform works in proximity to otter refuges in these locations. If a 30m buffer zone cannot be implemented from refuges via detailed design, a NatureScot licence would be necessary.	To reduce the impact of disturbance on otter and comply with legislation.	Where 30 m buffer cannot be achieved, NatureScot licence to be obtained.	ECoW to check compliance as necessary. Monitoring likely to be required as part of licence mitigation, if licence found necessary.
E-6	Megginch Castle Grounds	Construction	Any tree felling required within the grounds of Megginch Castle would be carried out manually and with consideration of beaver burrows in the area. Works would be planned such that damage to the soil within 20m of the burrows (on the same bank) would be avoided. A Species Protection Plan would be produced if finalised works indicate that impacts on beaver are possible, and a NatureScot licence obtained.	To prevent beaver burrows being damaged and to comply with legislation.	Where works are within 20m of a beaver burrow, NatureScot licence to be obtained. Embedded pre-construction surveys would inform the application and development of mitigation.	ECoW to check compliance as necessary. Monitoring will be required as part of licence mitigation, if licence found necessary.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
E-7	In the vicinity of Towers 115 and 174	Detailed design / construction	Works in proximity to beaver dams would avoid damage to the dams where possible. A SPP would be produced if finalised works indicate that impacts on beaver are possible, and a NatureScot licence obtained.	To prevent beaver dams being damaged potentially impacting burrows upstream and to comply with legislation.	Where works are within 20 m of a beaver dam, NatureScot licence to be obtained.	ECoW to check compliance as necessary. Monitoring will be required as part of licence mitigation, if licence found necessary.
E–8	Where works are in close proximity to badger setts (as per Confidential Figure 8.3 (Volume 3)) including in Pitmedden Wood	Detailed design / construction	A SPP would be produced to inform works in proximity to badger setts in this area. If a 30 m buffer zone cannot be implemented from setts via detailed design, a NatureScot licence will be necessary, and works would be planned such that actual damage to setts is minimised or avoided. For example, where trees in proximity to sett entrances need felled, manual felling would be carried out to prevent damage from heavy machinery, and heavy machinery would maintain as much distance as possible from sett entrances.	To reduce the number of sett closures/ destructions required, minimise disturbance to badgers, and comply with legislation.	Where works are within 30 m of a badger sett, obtain a NatureScot licence. Embedded pre-construction surveys will inform the application and development of mitigation.	ECoW to check compliance as necessary. Monitoring will be required as part of licence mitigation, if licence found necessary.
E—9	Pitmedden Wood	Detailed design/ construction	A SPP will be produced to inform works in proximity to pine marten dens in this area. If a 30 m buffer zone cannot be implemented from dens via detailed design, a NatureScot licence would be necessary, and works would be planned such that actual damage to dens is minimised or avoided. For example, where trees in proximity to dens need felled, manual felling would be carried out to prevent damage from heavy machinery, and heavy machinery would maintain as much distance as possible from dens.	To reduce the number of den closures/ destructions required and comply with legislation.	Where works are within 30 m of a pine marten den, obtain a NatureScot licence. Embedded pre-construction surveys will inform the application and development of mitigation.	ECoW to check compliance as necessary. Monitoring will be required as part of licence mitigation, if licence found necessary.
E--10	All affected semi-mature or mature woodland	Detailed design/ construction	Embedded mitigation includes for pre-construction surveys, which will include checks for dreys by the ECoW in affected woodland/ trees. If dreys are found during pre-construction survey and are liable to be destroyed during tree removal (or disturbed, disturbance distance being 50 m from active breeding dreys and 5 m/ adjacent tree for other dreys), then NatureScot licence to be obtained.	To ensure compliance with legislation.	Obtain NatureScot licence if confirmed that red squirrel dreys would be destroyed or disturbed.	ECoW to check compliance as necessary. Monitoring may be required as part of licence mitigation, if licence found necessary.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
E-11	Watercourses across the LOD	Detailed design/ construction	Works in proximity to watercourses would avoid the loss of riparian vegetation and be confined to agricultural fields as much as possible. Where riparian vegetation would be affected, a buffer strip at least 2 m wide will be retained between clearance areas and the banks of watercourses (excepting a 10 m buffer from the springs/ streams feeding Lochmill Loch SSSI in the vicinity of Tower 72, as stated above). Embedded mitigation already includes for adherence to pollution controls for all works.	To reduce the impact of pollution on watercourses in the unlikely even there is an incident.	All works near watercourses (and locally in them for the few culverts works) would adhere to pollution control measures and CAR.	ECoW to check compliance as necessary. Unless requested by SEPA, no other monitoring is anticipated.
E-12	Off-site location yet to be determined.	Timing of habitat creation measure not known.	Biodiversity Net Gain (BNG) enhancement measures to ensure net gain are detailed in a BNG report (Appendix 8.7 (Volume 4)) and would be implemented as prescribed.	To comply with national and local biodiversity policies and SSEN requirements for net gain from all projects.	None.	As prescribed in the BNG Report.
E-13	All trees categorised as PRF-M and FAR	Prior to works commencing	Targeted survey to confirm the status of PRF-Ms and FARs which would be subject to felling or lopping such that the feature(s) are lost. PRF inspection survey (or a suitable alternative) would be carried out, and consequent proportionate mitigation implemented. Mitigation relevant to PRF-I trees which would be felled or lopping would also be implemented.	To ensure compliance with relevant wildlife legislation and minimise impacts on roosting bats.	Surveys must be carried out by competent surveyors with an appropriate bat survey licence.	ECoW to check compliance as necessary. Monitoring likely to be required as part of licence mitigation, if licence found necessary.
Ornithology						
O-1	Throughout Proposed Development	Prior to and during construction	All personnel involved in the construction of the Proposed Development will be made aware of the ornithological features within the ZoI and the mitigation measures and working procedures that must be adopted. This will be achieved as part of the induction process and through the delivery of Toolbox Talks, where required	To ensure compliance with relevant wildlife legislation.	None.	None required.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
O-2	Throughout Proposed Development	Pre-construction	The remit of the ECoW will include, but may not be limited to: • carrying out pre-works checks for important bird species and nesting birds; • advising on exact infrastructure placement within micro-siting tolerances; • monitoring of, and advising on, storage of materials; • advising on habitat reinstatement; • monitoring of pollution control measures and advising on placement of mitigation measures to minimise habitat damage; and, • sightings of protected and/or important bird species within the site of the Proposed Development during the construction period will be recorded. If any evidence or sightings of specially protected bird species listed on Schedule 1 of the WCA suggest that a nest site may be present within 1 km of active or planned near term works, then works in that area will stop immediately and the ECoW will be contacted for further advice;	To ensure compliance with relevant wildlife legislation.	None.	As per remit.
O-3	Throughout Proposed Development	Prior to and during construction	Works near or at any retained trees will follow good practice to protect these features, including their roots.	To avoid damaging and/or unnecessary felling of retained trees.	None.	None required.
O-4	Throughout Proposed Development	During construction	Any artificial lighting required for construction works will be directional to avoid or minimise light spill beyond the immediate works areas.	To reduce effects on birds and other wildlife.	None.	None required.
O-5	Throughout Proposed Development	Prior to and during construction	All works will follow SSEN's General Environmental Management Plans and the Bird Species Protection Plan.	To ensure compliance with relevant wildlife legislation and minimise impacts on birds.	None.	As required in plans.
Forestry						

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
F-1	Dronley Wood	Post-construction	Tree planting at Dronley Wood with a planting mixture of species to be developed in conjunction with the landowner.	To reestablish the area of extended management felling proposed at Dronley Wood.	Planting mixture to be agreed with landowner.	None required.
Cultural Heritage						
CH-1	Throughout Proposed Development	Construction	Archaeological monitoring to be undertaken during construction and ground works (i.e. stripping for access tracks, bell-mouths, and Tower foundation upgrades) in areas where archaeological remains have been recorded.	Identify, excavate, and record previously recorded archaeological features.	An Archaeological Strategy to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to day works on site will be under the supervision of an Archaeological Clerk of Works (ACoW). Periodic site monitoring visits from Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.
CH-2	Throughout Proposed Development	Construction	Archaeological monitoring to be undertaken during construction and ground works (i.e. stripping for access tracks, bell-mouths, and tower foundation upgrades) in areas in close proximity to previously recorded archaeological remains, or where the archaeological potential is considered to be higher due to aspects such as limited ground disturbance.	Identify, excavate, and record previously unrecorded archaeological features, as well as above ground features such as drystone walls.	An Archaeological Strategy to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to day works on site will be under the supervision of an ACoW. Periodic site monitoring visits from Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
CH-3	Megginch Garden and Designed Landscape (GDL00278).	Construction	Track upgrade to be restricted in width to avoid removal of historic landscape features such as dry-stone walls, removal of trees, and large scale changes to aspects such as current access track character.	Limit large scale widening of existing tracks to avoid loss of historic landscape features/ elements, and significant impacts on the character of the GDL.	An Archaeological Strategy to be agreed pre-construction with HES and the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to day works on site will be under the supervision of an ACoW. Periodic site monitoring visits from HES and Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.
CH-4	Based on current design access tracks to Towers: Upgrade to Access to Towers 153-156.	Construction	Track upgrade to be restricted in width to avoid removal of historic landscape features such as dry-stone walls.	Limit large scale widening of existing tracks and new temporary access tracks to avoid loss of historic landscape features/elements.	An Archaeological Strategy to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to day works on site will be the supervision of an ACoW. Periodic site monitoring visits from Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
CH-5	All scheduled monuments where the Development will result in works within the same field. Based on the current design this is assumed to be designated assets SM6536, SM6123, SM6465, and SM7199.	Construction	Temporary fencing to be installed around scheduled monuments to avoid accidental damage where construction works are undertaken in the same field as a scheduled monument.	Avoid accidental physical impacts on scheduled monuments.	An Archaeological Strategy to be agreed pre-construction with the HES as well as relevant Local Planning Authority Archaeological Advisor, and approved via a WSI. This is likely to include agreeing buffers.	Expected that day-to day works on site will be under the supervision of an ACoW. Periodic site monitoring visits may be required by HES and the Local Planning Authority Archaeological Advisor during construction. To be agreed as part of the WSI.
CH-6	Throughout Proposed Development	Construction	Any sections of historic landscape features removed (i.e. dry-stone walls, boundary dykes etc) to be reinstated/restored once construction has been completed. In areas where the need for a permanent access means reinstatement/restoration is not possible, exposed ends of walls and similar features should be 'made good' by a qualified individual to avoid further loss of the features through erosion.	Avoid/minimise impacts on historic landscape features such as dry-stone walls and boundary dykes.	An Archaeological Strategy to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to day works on site will be under the supervision of an ACoW. Periodic site monitoring visits from Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.
CH-7	Throughout Proposed Development	Construction	Pre and post-condition surveys to be undertaken in fields where construction works are being undertaken.	Avoid/ minimise impacts on previously recorded heritage assets that are not expected to be disturbed (i.e. construction works not expected to break ground).	Works to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor and approved via a WSI.	Expected that day-to-day works on site will be under the supervision of an ACoW. Periodic site monitoring visits from Local Planning Authority Archaeological Advisor likely during construction. To be agreed as part of the WSI.

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
Traffic and Transport						
T-1	Study area roads	Duration of construction programme	Control of construction vehicle activities on public roads	Reduce magnitude of change/ increase in traffic on study area roads	Detailed CTMP to be approved by relevant roads authorities	Reporting mechanism for construction traffic not adhering to CTMP routes or time restrictions.
T-2	Study area roads	Enabling works	Provide upgraded or new bell mouths to form appropriate access to / from public roads.	Control movement of construction traffic to /from public roads in safe and efficient manner.	Designs to be approved by relevant roads authorities	Potential requirement for traffic management staff to manually control development traffic at access points.
Hydrology, Hydrogeology & Geology						
WE1	Throughout Proposed Development	Prior to and during construction	The Water Environment (Controlled Activities) Regulations 2011 (CAR) (Scottish Government, 2011b) require licences to be sought for design and construction activities affecting watercourses, including engineering works (culverts and bridges) and discharges (outfalls, attenuation and treatment). The Contractor will be required to provide a detailed Construction Method Statement which will include proposed mitigation measures for specific activities including any requirements identified through the pre-CAR consultation process.	Ensure compliance with regulatory requirements for the protection and effective management of the water environment.	It is intended that the appointed Contractor be responsible for submitting applications and securing CAR authorisation based on their detailed design. The CAR application and surface water quality monitoring plan may require approval from SEPA.	No

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
WE2	Throughout Proposed Development	Prior to and during construction	A CEMP and WMP include, but may not be limited to: • avoidance of wet weather working where practical, especially site clearance, earthworks and works to water features; • appropriate separate storage of topsoil/subsoil and materials, and at least 20 m from water features on flat ground; • any earth bund/ stockpile to be present for longer than two weeks will be either seeded, covered using geotextiles, or other pressures provided to ensure it is not a source of excessive fine sediment in run-off to water features; • the implementation of a temporary drainage system and other measures to manage pollution risk during construction; • any dewatering of excavations will include measures, where necessary, to filter the water prior to discharge to a watercourse or ground (there shall be no discharge of any construction site run-off to existing ponds); • the control of mud deposits at entry and exits to the site using wheel washing facilities and/or road sweepers operating during earthworks or other times as considered necessary; and • any works in the channels of smaller watercourses will be undertaken in a dry working environment, with flow temporarily over-pumped or flumed or isolated from the working area using sand/ pea gravel bags or other similar and inert barrier.	To protect the water environment from uncontrolled construction runoff.	No	No

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
WE3	Throughout Proposed Development	Prior to and during construction	A CEMP and WMP should be prepared / updated and include, but may not be limited to: • measures to minimise the risk and potential effects of spillage incidents shall typically include; storage of oils and diesel, along with the general maintenance and refuelling of plant, shall be restricted to impermeable bunded areas with a minimum 110% storage capacity and away from or where spillages could reach a surface water; • storage of fuel and chemicals would be in accordance with GPP 8: Safe storage and disposal of used oils; and • re-fuelling will be undertaken in designated areas within main compounds or satellite compounds. It is possible that refuelling of mobile plant may be required by mobile fuel bowser. This will not be undertaken within 20 m of a water feature, and only on flat land and with a drip tray/plant nappy.	To avoid spillages and reduce impacts on the water environment in relation to refuelling.	No	No
WE4	Throughout Proposed Development	Detailed Design and During Construction	If discharging groundwater to a nearby watercourse, the rate of discharge will need to be agreed with the relevant authority to ensure that there is no unacceptable increase in flood risk or risk of scour. Any discharge will need to be undertaken with the agreement of the relevant statutory regulator and will need to comply with the pollution prevention requirements set out in the CEMP. A Construction Groundwater Control Strategy will need to be prepared by the Contractor at the detailed design stage. Furthermore, best practice mitigation measures will be followed to avoid and/or minimise impact on groundwater and will be included in the CEMP.	To minimise the impact of any groundwater control activities during construction on the water receptors.	Relevant Authority	

Mitigation Item	Location	Timing of Measure	Description	Mitigation Purpose / Objective	Specific Consultation or Approval Required	Potential Monitoring Requirements
WE5	Affected works	Prior to and during construction	The water quality monitoring programme will be developed by the Principal Contractor in consultation with SEPA and other relevant stakeholders during the process of obtaining CAR licences for works affecting, or for temporary discharges to, the water features and watercourses in and around the Proposed Development. Water quality monitoring will be required of all potentially affected water features and may include daily visual and olfactory observations or after heavy or prolonged rainfall, in situ monitoring using a calibrated hand-held probe, and potentially samples on a regular or ad hoc basis for analysis at an accredited laboratory	To ensure that should pollution occur it is identified as quickly as possible and appropriate action is taken in line with the Emergency Response Plan.	No	Minimum six to twelve monthly visits.
WE6	Throughout Proposed Development	Prior to construction	Avoid any areas of risk identified through the UXO desk study (Appendices 13.6 and 13.7 (Volume 4)). If unable to avoid, then risk mitigation measures should be implemented for groundworks within these areas. The Principal Contractor should check with Zetica for a targeted assessment of the Proposed Development specifically prior to any works commencing.	To minimise UXO risk.	Zetica	No.
Noise and Vibration						
NV-1	Proposed Development	By design, prior to construction	Attaching dampers to conductors at both ends near tower structure. Suppliers of dampers and insulators required to test for potential noise issues.	To minimise aeolian noise caused by incident wind	None.	Aeolian noise can be monitored continuously in a long-term survey as this phenomenon is infrequent and difficult to predict.
NV-2	Proposed Development	During construction	Construction Noise Management Plan (CNMP).	To reduce noise impact.	Principal Contractor will update schedule.	Compliance during evening hours to ensure 55 dB limit is met.