

**Beauly to Blackhillock to New Deer to
Peterhead 400 kV Project
Environmental Impact Assessment Report
Volume 5 | Appendices**

**Appendix 3.3 – Outline Construction
Environmental Management Plan (CEMP)**



APPENDIX 3.3 – OUTLINE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP)

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LIST OF ACRONYMS AND ABBREVIATIONS

Acronym / Abbreviation	Definition
CEMP	Construction Environmental Management Plan
EIA	Environmental Impact Assessment
EMPs	Environmental Management Plans
GEMP	General Environmental Management Plan
km	kilometre
KPIs	Key Performance Indicators
kV	kilovolts
OHL	Overhead Line
Section 37 Consent	Consent under Section 37 of the Electricity Act 1989. Given by Scottish Ministers.
Deemed Planning Permission	Planning Permission under Section 57(2) of the Town and Country Planning (Scotland) Act 1997 (as amended). Granted as part of Section 37 application.
SEPA	Scottish Environment Protection Agency
SPP	Species Protection Plan
SHEQ	Safety, Health, Environment and Quality
SSEN Transmission	Scottish and Southern Electricity Networks Transmission
UGC	Underground cable

1 Introduction

1.1 Background

- 1.1.1 This Outline Construction Environmental Management Plan (CEMP) is based on the standard Scottish and Southern Electricity Network Transmission (SSEN Transmission) CEMP Template and has been amended in line with the existing Balfour Beatty Outline CEMP for the Beauly to Blackhillock to New Deer to Peterhead 400 kilovolt (kV) Overhead Line (OHL) Project (the 'Proposed Development').
- 1.1.2 Red text in this outline CEMP indicated notes and instructions for Principal Contractors' CEMP authors.
- 1.1.3 SSEN Transmission ('the Applicant') has appointed Balfour Beatty as the Principal Contractor for the Proposed Development to install approximately 186 km of a new double circuit steel structure 400 kV OHL to connect into new substation sites at Beauly, New Deer and Peterhead, including relevant substation tie-ins and temporary and permanent access tracks.

1.2 Project Overview

- 1.2.1 An overview of the Proposed Development is outlined in [insert Figure 1]. It includes an alternative alignment ('the Kellas Alternative Alignment'). In this particular location, the alignment of the Proposed Development passes through an area which is within the application boundary for the proposed Kellas Drum Wind Farm, for which an application for consent under section 36 of the Electricity Act 1989 has been submitted to the Scottish Government (application reference ECU00005054). If the windfarm application were to be consented, then the Kellas Alternative Alignment, which passes to the north of the proposed windfarm, would be constructed.
- 1.2.2 Consent and deemed planning permission is being sought for the Proposed Development under section 37 of the Electricity Act 1989 and Section 57(2) of the Town and Country Planning (Scotland) Act 1997 (as amended).
- 1.2.3 The Proposed Development spans three local authority areas, Highland Council, Moray Council, and Aberdeenshire Council.
- 1.2.4 It is the Principal Contractor's responsibility to deliver the Proposed Development safely, in line with all relevant legislation and with due care of the environment to meet, or exceed, national and industry standards and SSEN Transmission's contractual requirements. Full consideration shall be given to the local communities, landowners, local authorities, regulators and other potentially impacted parties (e.g. other utility operators).

[insert Figure 1]

Background and project overview shall be updated / amended and included in the CEMP by the Principal Contractors.

2 Construction Environmental Management Plan (CEMP)

The purpose, framework, development, implementation, agreement and updates of the CEMP shall be included in the CEMP by the Principal Contractor. Details will include the following aspects as a minimum updated as required in agreement with SSEN Transmission:

2.1 Purpose of a CEMP

- 2.1.1 The purpose of a CEMP is to ensure all environmental commitments are delivered on-site and that the environment is protected. The guidance included in this outline CEMP shall be used to inform the Principal Contractor's CEMP, which should be updated throughout the construction period as required, and control measures amended or expanded as necessary.
- 2.1.2 The Scope of Works covered by this outline CEMP will be agreed between the Principal Contractor and SSEN Transmission prior to works commencing and the CEMP will be updated and managed as required by the Principal Contractor.
- 2.1.3 Environmental protection measures and any necessary hold points identified (for example, requirements for consultation, further protected species surveys or for Technical Specialists to be on-site) shall also be integrated into appropriate Method Statements for all key activities, which the Principal Contractor is required to produce.
- 2.1.4 The Principal Contractor's CEMP shall be submitted to The Highland Council, Moray Council, and Aberdeenshire Council for approval prior to works commencing on-site, in consultation with the Scottish Environment Protection Agency (SEPA), NatureScot and other relevant regulators.
- 2.1.5 Construction activities for the Proposed Development are anticipated to be carried out between 2026 and 2032 (including restoration works) subject to the necessary approvals being granted.
- 2.1.6 Construction works shall be co-ordinated with any other works on the transmission network to minimise disruption to consumers.

2.2 CEMP Framework

- 2.2.1 This outline CEMP provides a framework to support compliance with the following requirements in respect of the Proposed Development:
 - all applicable Section 37 Consent / planning conditions;
 - all applicable EIA mitigation;
 - all applicable SSEN Transmission project commitments, improvements and enhancements;
 - all applicable SSEN Transmission environmental management strategies and plans, policies and standards;
 - all applicable environmental legal requirements, including consents and licences that are required to be secured;
 - all applicable local authority and regulator policies and procedures;
 - the Principal Contractor's policies and procedures; and
 - the Principal Contractor's integrated management system requirements.
- 2.2.2 The CEMP will also identify how the Principal Contractor will manage environmental improvement opportunities such as to improve efficiency, generate savings in relation to materials used and waste / emissions produced, and enhance existing biodiversity. The Principal Contractor will also have a separate environmental risk and opportunities register which will be a live document.

2.2.3 The CEMP shall provide a documented system detailing the means by which the Principal Contractor shall:

- comply with the requirements listed above;
- identify, avoid, mitigate / eliminate and manage environmental risks;
- embed sustainability and environmental practices into the Proposed Development; and
- record innovation and good practice to ensure continual improvement.

2.2.4 SSEN Transmission shall make available all environmental and site information to the Principal Contractor. The Principal Contractor shall also ensure public environmental records are regularly reviewed (at least every six months) and site surveys undertaken as required to enable the environmental risks to be identified and kept up to date.

2.3 CEMP Development and Implementation

2.3.1 The CEMP shall be continually used by the Principal Contractor's Project Teams responsible for planning, organising and delivering the work. It is the responsibility of the Principal Contractor's Project Manager to ensure that all staff are aware of the CEMP and the details within it, and that control measures are implemented and carried out at an appropriate time, including where that may be in advance of site works commencing. The regional office and temporary offices and depots shall retain a copy of the CEMP in electronic and hard copy. Staff shall be made aware of updates and amendments to the CEMP and hard copies shall be updated.

2.3.2 The Principal Contractor, working with the SSEN Transmission's Environmental Management Team, shall ensure mitigation detailed in the CEMP is transposed into specific localised Environmental Management Plans (EMPs) / Method Statements before construction in each area begins. They shall identify potential environmental risks and mitigation measures for each key site activity.

2.3.3 Environmental impacts shall be considered during the design and planning stage to:

- identify potential sources of environmental risk and opportunities;
- identify pathways of exposure;
- identify receptors at risk from exposure;
- identify the potential impacts on receptors;
- identify any controls currently planned or in place;
- assess the potential risks for the site;
- consider implementing mitigation to further reduce the risks; and
- identify areas of innovation and good practice from previous projects lessons learned, wider industry and supply chain.

2.3.4 Once handed over to the construction teams, each specific impact area shall be further considered to:

- review and update all risks and opportunities identified;
- identify additional potential sources of environmental risks based on further survey and project development;
- implement mitigation and controls that reduce the environmental impact of site activities;
- continually collate and report data as required; and
- implement sustainability improvements, innovations and good practices as appropriate.

2.3.5 In applying mitigation and control measures at all stages, the Principal Contractor shall review:

- environmental cost benefits;
- environmental risk reduction; and
- areas of improvement, innovation and good practices.

- 2.3.6 In drafting the CEMP, the potential for environmental impacts from unforeseen / unplanned events shall be considered and site-specific emergency protection measures identified. The Principal Contractor shall identify general procedures for such emergencies.

2.4 CEMP Agreement and Updates

- 2.4.1 The CEMP shall be a live document and implementation and updating of it shall be a condition of the Principal Contractor's Contract with SSEN Transmission. The Principal Contractor shall be required to implement the CEMP through all sub-contracts.
- 2.4.2 The CEMP shall be reviewed and amended periodically by the Principal Contractor to reflect all new information that becomes available and changes in the work scope.
- 2.4.3 Monitoring effective implementation of the CEMP shall be a contractual responsibility of the Principal Contractor. SSEN Transmission shall establish audit and oversight procedures to ensure the proper implementation of the CEMP by the Principal Contractor and the effectiveness of the measures contained within it at mitigating environmental impacts. Where significant amendments are required to the CEMP, the proposed amendments shall be issued to relevant stakeholders for review, prior to adoption.

3 Proposed Development Description

Details of the Scope of Work will be confirmed by SSEN Transmission.

3.1 Scope of Work

3.1.1 The Scope of Work for the Proposed Development consists of the following:

- pre-construction environmental survey data;
- pre and post-construction site and road condition surveys with photographic evidence;
- pre-construction site protection measures;
- local community liaison activities;
- micro-siting (if required);
- tree felling and vegetation clearance to facilitate construction and operation of the Proposed Development, to comply with the Electricity Safety, Quality and Continuity Regulations (ESQCR) 2002;
- formation of access tracks (permanent, temporary and upgrades to existing access tracks) and the installation of bridges and culverts to facilitate access;
- upgrade of existing, or creation of new, bellmouths at public road access points;
- Public Road Improvement (PRI) to facilitate construction traffic travelling along existing public roads. These works could include upgrades such as road widening, installation of temporary or permanent passing places, and upgrades to or replacement of existing bridges;
- temporary compounds, working areas and laydown areas around infrastructure to facilitate construction: at the base of each tower to facilitate construction of tower foundations and at locations between towers to facilitate conductor stringing;
- establishment of temporary measures to protect road, water and gas pipeline crossings (e.g. scaffolding);
- permanent realignment of existing transmission OHLs to make space for the project at Ferness;
- removal of the existing 132 kV OHL and underground cable from Beauly to Knocknagael substations;
- six crossings of existing 132 kV and 275 kV OHLs using a 'diamond' or 'duck under' arrangement;
- installation and operation of new double circuit 400 kV OHL supported by a series of steel lattice towers. Install foundations, construct and erect steel lattice towers and wire the associated 400 kV circuits;
- formation of flat areas from which the conductor will be pulled during construction, which will contain earthed metal working surfaces referred to as Equipotential Zones (EPZs);
- establishment of temporary diversions of existing OHLs where necessary to enable exiting OHL crossings or realignment works;
- materials and waste management including dismantling and removal of redundant infrastructure and removal of temporary works and site reinstatement including replanting where required;
- environmental mitigation and enhancement measures;
- site restoration; and
- other associated ancillary works.

3.2 Key Environmental Constraints

Details of environmental constraints shall be included in the CEMP by the Principal Contractors. Details will include the following as a minimum expanded as required:

3.2.1 The key environmental constraints are as follows, which are shown on [Insert Figures XX – XX].

Landscape and Visual

- landscape; [insert]
- visual amenity; and [insert]
- lighting. [insert]

Cultural Heritage

- scheduled monuments; [insert]
- listed buildings; [insert]
- gardens and designed landscapes; and [insert]
- historic environment record. [insert]

Water and Geological Environment

- agricultural land; [insert]
- soil conditions, geology including peat; [insert]
- river catchment, and groundwater dependant ecosystems; [insert]
- watercourses, waterbodies and flood risk; [insert]
- surface water management and flood risk; [insert]
- drainage, including agricultural field drains; [insert]
- private water supplies (PWS); [insert]
- Scottish Drinking Water Catchments; and [insert]
- other utilities such as Scottish Water assets. [insert]

Ecology

- protected fauna, terrestrial and aquatic; [insert]
- invasive species; [insert]
- designated sites; [insert]
- woodland, forests, including ancient woodland and veteran trees; [insert]
- habitats and protected flora; and [insert]
- biosecurity. [insert]

Ornithology

- protected bird species. [insert]

Transport

- traffic and transport; [insert]
- roads and tracks including passing places and parking areas; and [insert]
- public and private access points / routes. [insert]

Recreation and Tourism

- recreational routes and areas – terrestrial and aquatic including fishing beats. [insert]

Air Quality

- air quality [insert]

Noise and Vibration

- noise and vibration. [insert]

[insert **Figures XX – XX** : site drawing(s) showing key environmental constraints].

Note: Include details of the likely environmental nuisance that may be created by the Proposed Development for each of the activities such as dust, noise, light pollution and details of the measures which shall be undertaken during the project to ensure they are managed appropriately.

3.3 Key Project Activities

Details of key project activities shall be included in the CEMP by the Principal Contractors.

- 3.3.1 The main activities required to deliver the Scope of Works for the Proposed Development shall be set out as per the example table below, **Table 3.1**. This table shall be completed by the Principal Contractor as part of the CEMP and will be updated as construction activities progress.

Table 3.1: Project Activities

Project Activity	Description
[insert]	[insert]
Work Planning	[insert]
Environmental Surveys	
Pre-commencement site surveys	
Site and Access Planning	
Local Authority and Regulator Liaison	
Consents, Permits and Licences	
Community Liaison	
Existing Services	
Pre-construction Condition Surveys	
Site Establishment	
PRI and Access Establishment	
Asset Protection	
Watercourse Crossings	
Environmental Controls	
Site Clearance	
Earthworks	
Civil Works	
Mechanical and Electrical Works	
Restoration	
Planting	

Note: Include what the Proposed Development consists of and proposed method of works, expand table as required.

3.4 Legislative Requirements

3.4.1 SSEN Transmission hold a legal register for all of the major environmental legislation directly applicable to the Proposed Development. In addition, some other pieces of environmental legislation have been included for general awareness and guidance purposes. The register will be available and included as part of the CEMP.

3.4.2 The following legislation is applicable to the Proposed Development:

- The Construction (Design and Management) Regulations 2015;
- The Environmental Protection (Duty of Care) (Scotland) Regulations 2014;
- Waste (Scotland) Regulations 2012;
- Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017;
- The Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017;
- Town and Country Planning (General Permitted Development) (Scotland) Order 1992;
- The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (CAR);
- The Waste Management Licensing (Scotland) Regulations 2011;
- Air Quality Standards (Scotland) Regulations 2010;
- The Environmental Liability (Scotland) Regulations 2009;
- The Conservation (Natural Habitats, &c.) Amendment (Scotland) Regulations 2007;
- Environmental Noise (Scotland) Regulations 2006;
- The Forestry (Exemptions) (Scotland) Regulations 2019;
- Forestry and Land Management (Scotland) Act 2018;
- The Control of Substances Hazardous to Health Regulations 2002;
- Special Waste Regulations 1996;
- The Conservation (Natural Habitats, &c.) Regulations 2017;
- The Conservation (Natural Habitats, &c.) Regulations 1994;
- Control of Pollution (Registers) (Scotland) Regulations 1993;
- Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations 1991;
- Landfill Tax (Scotland) Act 2014;
- Wildlife and Natural Environment (Scotland) Act 2011;
- Flood Risk Management (Scotland) Act 2009;
- Planning etc. (Scotland) Act 2006;
- Nature Conservation (Scotland) Act 2004;
- The Water Environment and Water Services (Scotland) Act 2003;
- Town and Country Planning (Scotland) Act 1997;
- The Environment Act 1995;
- Protection of Badgers Act 1992;
- Environmental Protection Act 1990;
- Electricity Act 1989;
- Control of Pollution (Amendment) Act 1989;
- Wildlife & Countryside Act 1981;
- Roads (Scotland) Act 1984;
- Transport (Scotland) Act 2019; and
- Planning (Scotland) Act 2019.

Note: Include all legislative requirements that apply to the Scope of Works updated as required / appropriate.

3.5 Consents and Permissions Required

3.5.1 Works may be subject to additional statutory requirements or should comply with regulatory guidance.

3.5.2 The consents and permissions listed in **Table 3.2** are anticipated to be required for the Proposed Development. This table shall be updated accordingly as part of the CEMP by the Principal Contractor. Any conditions attached to any permission shall be added to SSEN Transmission's Commitments Register.

Table 3.2: Consents Required

Legislation, Regulation	Permit, Licence, Consent	Regulator	Project Stage	Responsibility
Electricity Act 1989 ¹	Consent	Energy Consents Unit	[insert]	SSEN Transmission (as the Applicant)
The Water Environment (Controlled Activities) (Scotland) Regulations 2011 ²	Licence	SEPA	CAR	Principal Contractor (on behalf of the Applicant)
The Wildlife and Countryside Act 1981 (as amended) ³	[insert]	NatureScot	[insert]	[insert]
The Conservation (Natural Habitats &c.) Regulations 1994 (as amended) ⁴	[insert]	[insert]	[insert]	[insert]
The Protection of Badgers Act 1992 (as amended) ⁵				
[insert]	[insert]	[insert]	[insert]	[insert]

Note: Include all consents, permits, licences, approvals etc. that apply to the Scope of Works. This table can be expanded.

3.5.3 Consents and permissions are discussed further in **Section 6**.

3.6 Project Commitments Register

3.6.1 SSEN Transmission shall hold a Commitments Register for the Proposed Development which will be available to view as part of the CEMP. This register will be a live document which shall be kept up to date by SSEN Transmission and may be amended should any further commitments be made during progress of the Proposed Development. Updates shall be formally communicated to the Principal Contractors.

3.6.2 Any conditions attached to any permission obtained by the Principal Contractor shall be added to SSEN Transmission's Commitments Register.

3.6.3 An example and outline Commitments Register is provided in **Appendix A**.

¹ UK Government (1989). Electricity Act 1989. Available at: <https://www.legislation.gov.uk/ukpga/1989/29/contents>

² UK Government (2011). The Water Environment (Controlled Activities) (Scotland) Regulations 2011. Available at: <https://www.legislation.gov.uk/ssi/2011/209/contents>

³ UK Government (1981). Wildlife and Countryside Act 1981. Available at: <https://www.legislation.gov.uk/ukpga/1981/69>

⁴ UK Government (1994). The Conservation (Natural Habitats, &c.) Regulations 1994. Available at: <https://www.legislation.gov.uk/uksi/1994/2716/contents>

⁵ UK Government (1992). Protection of Badgers Act 1992. Available at: <https://www.legislation.gov.uk/ukpga/1992/51/contents>

4 Environmental Management personnel

Details of the project environmental management personnel shall be included in the CEMP by the Principal Contractors. Details will include the following as a minimum:

4.1 Environmental Personnel

4.1.1 The project personnel for the Principal Contractor's and SSEN Transmission teams shall be set out in the CEMP as per the example tables set out below (to be populated prior to construction):

- **Table 4.1:** Principal Contractor's Team Directory;
- **Table 4.2:** SSEN Transmission Project Team Directory;
- **Table 4.3:** Third Party Directory; and
- **Table 4.4:** Team Member Deployment through Project Phases in Days per Week.

Table 4.1: Principal Contractors Team Directory

Role	Name	Phone Number	Email

Table 4.2: SSEN Transmission Project Team Directory

Role	Name	Phone Number	Email

Table 4.3: Third Party Directory

Role	Name	Phone Number	Email

Table 4.4: Team Member Deployment Through Project Phases in Days per Week

Team Member and Role	Pre-construction	Advance Works	Civils Works	Mechanical and Electrical	Post Construction

Note: Adjust roles / job titles as required and include the expected duration each role shall be on-site for each phase of the project in days per week.

4.2 Roles and Responsibilities

[insert]

Note: Insert details of all named personnel and details of their role and responsibilities.

4.3 Sub-Contractor Management

4.3.1 Any sub-contractors appointed by the Principal Contractors shall be listed out with details added of roles and responsibilities.

- [insert]
- [insert]

Note: Insert details of all named personnel and details of their role and responsibilities.

4.3.2 Prior to commencement of works on-site, sub-contractors shall be informed of the environmental guidance, rules and procedures to be followed during the period of their involvement on-site. This will be communicated to them via the site induction, regular environmental Toolbox Talks (TBT) and environmental awareness campaigns.

4.3.3 Compliance monitoring and reviews shall be undertaken regularly in order to ensure that environmental performance targets are met.

4.3.4 Sub-contractors shall be managed by the Principal Contractors and shall be required to comply with the CEMP and all other contractual and legislative requirements relevant to the Scope of Works. This applies to any sub-contractors appointed by the sub-contractors etc.

Note: Insert details of any sub-contractors that shall be appointed, their roles and responsibilities and detail of who shall manage them.

5 Environmental Innovation and Sustainability

Details of innovation and opportunities for improvement shall be included in the CEMP by the Principal Contractor.

5.1 Innovation and Opportunities for Improvement

[insert]

[insert]

6 Consents and Permissions Programme

Details of the consents and permission programme shall be included in the CEMP by the Principal Contractors.
Details will include the following as a minimum:

6.1 Requirements

- 6.1.1 Prior to site mobilisation, environmental surveys shall be undertaken to ensure the correct data is available to enable the applications for the consents and permissions set out in **Section 3** above to be applied for and secured. Liaison with the respective Consenting Organisations shall be managed by the Principal Contractors.
- 6.1.2 The Principal Contractors shall:
- maintain a programme of applying for and obtaining consents and permissions in line with the works programme as required;
 - review all applications prior to submission to ensure all proposed controls and mitigations are acceptable and recorded;
 - review all issued consents and permissions to ensure that any conditions imposed are acceptable and recorded;
 - when instructed by SSEN Transmission, be the holder of any existing consents and permissions for the duration of the contract;
 - when instructed by SSEN Transmission and if relevant, transfer consents and permissions to SSEN Transmission (or any persons nominated);
 - provide copies of any consents and permissions to SSEN Transmission within seven days of receiving them;
 - notify SSEN Transmission of any conditions which will require discharging after the contract has completed;
 - maintain a record of environmental consents and permissions held and required;
 - brief the details of any conditions, and the responsibility of discharging their requirements to all relevant project personnel during induction, as part of the pre-start briefing(s) and through site specific toolbox talks;
 - undertake inspections to ensure that works are being carried out adhering to conditions; and
 - ensure that Consenting Organisations are notified at the end of works in a timely manner.
- 6.1.3 The person in charge of the day to day operations of the site shall be responsible for ensuring consent requirements are communicated to site staff and ensuring compliance with all conditions i.e. Site manager.
- 6.1.4 Any conditions associated with consents and permissions shall have named responsible persons.
- 6.1.5 The project team respects the rights of landowners and shall comply with conditions agreed by SSEN Transmission, local authorities and other interested parties.
- 6.1.6 The Principal Contractor shall set out the required consents, permits and licences etc. as per the example table below, **Table 6.1**. The table shall outline the programme for securing such consents and any surveys also required to support them.

Protected Species

- [insert]

Written Scheme of Investigation

- [insert]

Insert as appropriate.

Table 6.1: Consents Programme

Permit, Licence, Consent	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4
[insert]	[insert]	[insert]	[insert]	[insert]	[insert]	[insert]	[insert]	[insert]

Note: List the consents to be secured with details of how that shall be achieved with a programme showing the timeframes of the survey windows, application date when consent needs to be secured. The programme is expected to include details of consent / authorisation requirements and the timing of site surveys. This table can be expanded.

7 Environmental Policies and Procedures

Details of the environmental policies and procedures shall be included in the CEMP by the Principal Contractors.
Details will include the following as a minimum:

7.1 General Approach

7.1.1 [insert]

7.2 Contractor Management Systems

7.2.1 [insert]

7.3 Contractor Policies

7.3.1 [insert]

7.4 Contractor Procedures

7.4.1 [insert]

8 Communications and Training Plan

Details of the communication and training plans shall be included in the CEMP by the Principal Contractors.
Details will include the following as a minimum:

8.1 Environmental Reporting

SSEN Transmission Requirement

- 8.1.1 Contractors must notify the SSEN Transmission Project Manager or SSEN Consents and Environment Manager within 30 minutes of the occurrence, or detection of, an environmental incident.
- 8.1.2 If contact cannot be established, Contractors must notify SSEN Transmission within 30 minutes by telephone:
- 0800 107 3207 (8:00 – 18:00); or
 - 0800 096 6210 (18:00 – 8:00).

[insert Contractor's reporting plan]

8.2 Key Performance Indicators

- 8.2.1 The following Key Performance Indicators (KPIs) are examples that shall be monitored by the Project Manager on a monthly basis. KPIs are fed back to the SSEN Transmission Safety, Health and Environment (SHE) administrative department and will be used to monitor the overall performance of the project over time.
- site inductions of contractor site personnel;
 - site inductions of SSEN Transmission personnel on project or visiting project;
 - site inductions of subcontractors;
 - visitor site Inductions;
 - internal auditing (MSRs);
 - external auditing;
 - environmental incidents, near misses and hazards;
 - App reporting: 'good practice' and 'close calls';
 - environmental incident training (i.e. Oil Spill Drills);
 - sustainability deliverables;
 - damaged property;
 - observations of best / good practice;
 - toolbox talks and environmental awareness; and
 - hours worked.

8.3 Environmental Communications

SSEN Transmission Project Team

- 8.3.1 Weekly Safety, Health, Environment and Quality (SHEQ) and information packs (e.g. Best Practice bulletins) shall be issued by SSEN Transmission to all projects for distribution to staff by the Principal Contractor each week. The contractor SHEQ packs are distributed to engineers to be briefed out and signed onto by site operatives. These packs contain health, safety and environmental information. External communications shall also be included within the SHEQ pack.

- 8.3.2 Where project specific environmental constraints have been identified these will be delivered to the project team. This communication will be in the form of the site induction, setting to work briefs and specific toolbox talks.

External Communications – Regulators

- 8.3.3 Where an incident or near miss (good practice or close call observation) has occurred then the event and findings will be discussed with SSEN Transmission. This will include discussion at weekly site meetings (minuted and transmitted to the project team). In the event of an environmental incident SSEN Transmission shall be informed including the findings of lessons learned or investigation.
- 8.3.4 The Principal Contractor shall, in the first instance, contact SSEN Transmission and not contact a 3rd Party regulator directly (i.e. SEPA). The first point of contact will be SSEN Transmission ahead of such external communication – at this point SSEN Transmission may guide the Principal Contractors to contact the regulator and keep them informed of progress.
- 8.3.5 Similarly, regarding lessons learned, audit / inspection findings, non-conformances, and waste management data such information will be made available to SSEN Transmission. This can be via a site meeting, email or another approved electronic provision of report findings.

External Communications – Neighbours and the Community

- 8.3.6 [insert]

External Communications – Other Stakeholders

- 8.3.7 [insert]

Internal Communications

- 8.3.8 [insert]

Stakeholder Engagement and Complaints Log

- 8.3.9 [insert]

Table 8.1: Stakeholder Engagement and Complaints Log

Works	Stakeholder	Date	Issue	Action	Responsibility	Date Addressed

Environmental Training

- 8.3.10 [insert]

Record Keeping

- 8.3.11 [insert]

9 Environmental Auditing and Monitoring Plan

Details of the environmental auditing and monitoring plans shall be provided in the CEMP by the Principal Contractors including details of who shall manage these. Details will include the following as a minimum:

9.1 Roles and Responsibilities

9.1.1 [insert]

9.2 Environmental Management System Requirements

9.2.1 [insert]

9.3 Consents, Permit and Licence and Condition Compliance

9.3.1 [insert]

9.4 Project Environmental Auditing and Monitoring Requirements

9.4.1 [insert]

9.5 Audit and Monitoring Reporting Procedure

9.5.1 [insert]

9.6 Compliance Inspections

9.6.1 [insert]

9.7 Compliance Reporting

9.7.1 [insert]

9.8 Non-Compliance Procedure

9.8.1 [insert]

9.9 Project Lessons Learned Register

9.9.1 [insert]

10 Working Hours, Site Design, and Work Planning

Details of design and site / work planning measures shall be provided in the CEMP by the Principal Contractors outlining measures that shall be used to reduce environmental impacts through good site planning and design. Details will include the following as a minimum:

10.1 Working Hours

10.1.1 The working hours shall be:

- [insert]

10.2 Site Design

10.2.1 [insert]

10.3 Work Planning

10.3.1 [insert]

10.4 Local Staff and Supplies

10.4.1 [insert]

11 Energy and Carbon

Details of energy and carbon use and measures to reduce energy and carbon shall be added to the CEMP by the Principal Contractors which will include the following as a minimum:

11.1 Sources of Energy and Carbon Use

11.1.1 [insert]

11.2 Energy and Carbon Baseline

11.2.1 [insert]

11.3 Measures to Reduce Energy and Carbon Use

11.3.1 [insert]

12 Emergency Response Plan

Details of the Emergency Response Plan and who shall manage these shall be added to the CEMP by the Principal Contractors which will include the following as a minimum:

12.1 Roles and Responsibilities

12.1.1 [insert]

12.2 Types of Hazards

12.2.1 [insert]

12.3 Control Measures

12.3.1 [insert]

12.4 Emergency Response Process

12.4.1 [insert]

12.5 Hazard and Incident Reporting Procedure

12.5.1 [insert]

13 Pollution Prevention Plan

Details of the Pollution Prevention Plan shall be added to the CEMP by the Principal Contractors. The Pollution Prevention Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- roles and responsibilities;
- sources of pollution and environmental risk;
- pathways;
- receptors;
- potential impacts and risks; and
- pollution prevention and control measures.

14 Materials and Waste Management Plan

Details of the Materials and Waste Management Plan shall be added to the CEMP by the Principal Contractors. The Materials and Waste Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- roles and responsibilities;
- materials supply and storage;
- types and predicted volume of resources and waste;
- material recovery;
- material reuse;
- waste minimisation measures;
- how waste is managed;
- waste storage;
- hazardous waste;
- waste exemptions / licensing;
- waste contractors;
- waste disposal locations;
- measurement of waste; and
- quarterly resource and waste reports [using template TEM-NET-ENV-502].

15 Fuel Storage Plan

Details of the Fuel Storage Plan shall be added to the CEMP by the Principal Contractors. The Fuel Storage Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- roles and responsibilities;
- types and predicted volume of fuel;
- how fuel is managed;
- fuel storage;
- fuel storage exemptions / licencing;
- refuelling procedures; and
- fuel contractors.

16 Water Management Plan

Details of the Water Management Plan shall be added to the CEMP by the Principal Contractors. The Water Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- water management plan methodology;
- roles and responsibilities;
- water environment baseline surface water;
- water environment baseline ground water;
- private water supplies (PWS);
- drinking water protected areas (DWPA);
- ground water dependant terrestrial ecosystems (GWDTE);
- flood risk;
- agricultural field drains;
- water crossing points;
- drainage design;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts;
- construction management and mitigation measures;
- emergency flood plan; and
- controlled activities regulation authorisations.

17 Soil Management and Restoration Plan

Details of the Soil Management Plan shall be added to the CEMP by the Principal Contractors. The Soil Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- planning of works;
- soil baseline;
- soil quality;
- contaminated land;
- historic contamination;
- contamination located during the works;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts;
- construction management and mitigation measures;
- restoration management and mitigation measures;
- soil storage;
- site reinstatement plan;
- post-construction reinstatement
 - sources, pathways and receptors and impacts;
- post-construction land restoration management and mitigation measures; and
- post-construction monitoring.

18 Peat Management Plan

An outline Peat Management Plan has been submitted in support of the Section 37 application and as part of the EIA Report (Volume 5: Appendix 10.2).

Details of the Peat Management Plan shall be added to the CEMP by the Principal Contractor. The Peat Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- peat baseline;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts;
- potential impacts on peat;
- estimated depth and volume;
- construction management and mitigation measures;
- peatland reinstatement
 - sources, pathways and receptors and impacts; and
- post-construction management and mitigation measures.

19 Site-specific Environmental Management Plan

Principal Contractor to provide detail on how construction mitigation will be delivered for sensitive sites to include the following as a minimum:

- Torvean Landforms Site of Special Scientific Interest (SSSI) / Geological Conservation Review (GCR) site;
- Dalroy and Clava Landforms SSSI / GCR;
- Buinach and Glenlatterach SSSI;
- Coleburn Pasture SSSI;
- River Spey SAC / SSSI; and
- Mill Wood SSSI.

20 Cultural Heritage Management Plan

Details of the Cultural Heritage Management Plan shall be added to the CEMP by the Principal Contractors. The Cultural Heritage Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- cultural heritage baseline;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts;
- written scheme of investigation; and
- construction management and mitigation measures.

21 Ecological Management Plan

Details of the Ecological Management Plan (covering Terrestrial and Avian interests) shall be added to the CEMP by the Principal Contractors. The Ecological Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- designated sites;
- habitats baseline;
- species baseline;
- biosecurity species (such as Potato cyst nematode (PCN) and Club root) and non-native species;
- pre-construction surveys;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts;
- construction management and mitigation measures (to include deer management);
- species protection plans (to include capercaillie);
- licensing requirements;
- post-construction biodiversity enhancement
 - sources, pathways and receptors and impacts; and
- post-construction management and mitigation measures.

22 Construction Noise Management Plan

Details of the Construction Noise Management Plan shall be added to the CEMP by the Principal Contractors. The Construction Noise Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- noise baseline location of receptors;
- pre-construction surveys;
- pre-construction enabling works phase;
- sources, pathways and receptors and impacts;
- construction works phase;
- sources, pathways and receptors and impacts; and
- construction management and mitigation measures.

23 Air Quality Management Plan

Details of the Air Quality Management Plan shall be added to the CEMP by the Principal Contractors. The Air Quality Management Plan shall include the following as a minimum:

- introduction;
- background;
- purpose of plan;
- air quality baseline;
- location of receptors;
- pre-construction enabling works phase
 - sources, pathways and receptors and impacts;
- construction works phase
 - sources, pathways and receptors and impacts; and
- construction management and mitigation measures.

24 Outdoor Access Management Plan

An outline Outdoor Access Management Plan is provided in support of the Section 37 application and EIA Report (Volume 5, Appendix 14.2).

The outline Access Management Plan will be updated and details shall be added to the CEMP by the Principal Contractors. The Outdoor Access Management Plan shall include the following as a minimum.

- introduction;
- background;
- purpose of plan;
- public access baseline;
- potential impacts on outdoor access; and
- construction management and mitigation measures.

25 Appendix A: Commitments Register

25.1.1 The Principal Contractor to incorporate The Schedule of Mitigation as part of EIA Report (Volume 2, **Chapter 18: Schedule of Mitigation**).

Reference Number	Commitment Document	Commitment	Timing of Mitigation	Responsibility	Actions Required	Principal Contractor Reference Document / Point