
CONTENTS

32	ENVIRONMENTAL MANAGEMENT	32-1
32.1	Introduction	32-1
32.2	E.ON's Environmental Policy.....	32-1
32.3	Onshore Construction Health, Safety & Environment Plan.....	32-1
32.4	Onshore Construction Environmental Management	32-2
32.5	Onshore Operational Environmental Management	32-4
32.6	Offshore Project Environmental Management and Monitoring Plan	32-4
32.7	Offshore Operational Environmental Management	32-5

32 ENVIRONMENTAL MANAGEMENT

32.1 Introduction

32.1.1 This section of the Environmental Statement (ES) describes the arrangements for management of the detailed design and construction and operational stage of the Rampion Offshore Wind Farm (the Project) by E.ON and its Construction Contractor's (CC) to ensure that the mitigation measures in this ES, legislative and contractual requirements and environmental best practice are implemented.

32.2 E.ON's Environmental Policy

32.2.1 E.ON has an environmental management system that is certified to ISO 14001: 2004. E.ON's environmental policy targets are applied to reduce its environmental impact. The CC's selected will be expected to demonstrate the same level of commitment to the principles of ISO 1400: 2004, and to implement procedures and systems that are of an equivalent standard, regardless of whether or not they are certified to the standard.

32.2.2 E.ON is committed to ensuring excellence in environmental performance for all of its employees, contractors and other stakeholders, and recognises that its activities have an environmental impact. Accordingly, it requires its contractors to actively promote and administer a robust environmental culture amongst their staff, subcontractors and suppliers engaged on the contract.

32.3 Onshore Construction Health, Safety & Environment Plan

32.3.1 A Construction Health, Safety & Environment Plan for the onshore connection works will be prepared by E.ON and the CC for approval by West Sussex County Council.

32.3.2 The Construction Health, Safety & Environment Plan will be produced to set out the working methods of contractors and site staff and will set out the standards expected. The document will include details on:

- Relevant health, safety and environmental legislation – and compliance (including Construction, Design & Management Regulations);
- Project organisation and management;
- Method statements and risk assessments;
- Construction site management;
- Communication and emergency response plan;
- Working hours;

- Site security;
- Welfare facilities;
- Local community liaison responsibilities;
- Minimum training requirements for site staff; and
- Environmental Management.

32.3.3 Further, more detailed, documentation will be produced to provide additional detail on the areas identified above, such as a Construction Environmental Management Plan (CEMP) set out below.

32.4 Onshore Construction Environmental Management

Background

32.4.1 From the outset, the Project has been designed to limit its environmental impact as far as possible, and all contractors associated with the Project will be expected to conduct their activities in such a way that construction related environmental impacts are minimised.

32.4.2 To ensure that appropriate standards are maintained during construction, a CEMP will be developed for the onshore elements of the Project.

32.4.3 The CEMP will provide the framework to protect the environment before, during and after construction by ensuring that legislative and regulatory requirements are met.

Construction Environmental Management Plan

32.4.4 The CEMP will set out the on-site environmental management measures and monitoring regime that will be in place during the construction phase. The CEMP will incorporate the following:

- Corporate environmental policy and procedures;
- Specific objectives and targets relating to the environmental management during the construction phase;
- Details of the management structure proposed to oversee the environmental management of the Project site and to monitor the potential impacts and mitigation;
- Details of proposed environmental monitoring, audits and reporting systems to be employed during construction;

- Details of environmental training to be provided and measures for briefing site personnel (such as site inductions and toolbox talks);
- Proposed environmental mitigation measures to be employed during construction;
- A schedule of all relevant consents, licenses and authorisations required during the construction phase and details of how the CC will comply with these; and
- An emergency procedure for potential environmental incidents.

32.4.5 The CEMP will act as a working document that will be referenced by construction staff on a day-to-day basis, and will provide a documented procedure for controlling environmental impacts and for preventing disruption to local residents during the construction phase of the Project. The document will be integrated with other construction policies and plans such as health and safety policies and method statements, company-wide environmental policies and other environmental management systems where appropriate.

32.4.6 The CEMP will be printed and made available on-site to all site personnel and representatives of the relevant enforcement authority, and all contractors working on the Project will be supplied with a copy and will be required to adhere to it at all times.

32.4.7 The CEMP will provide a framework for auditing and inspection by the CC and compliance checks by E.ON so that it can be assured that its aims with respect to environmental performance are being met.

32.4.8 The CC will also be required to employ a full-time environmental representative and identify an emergency response team (where required) to ensure effective environmental project management, commensurate with the scale of the Project. The CC site manager is likely to be responsible for onsite environmental compliance.

Additional Plans

32.4.9 A number of other plans and documents will be produced as part of, or in addition to, the CEMP. Two key plans that are likely to be produced separately to the CEMP are:

- Ecological Management Plan - this will be produced in advance of construction and will be agreed with the relevant authority. The Ecological Management Plan will set out actions to reflect the findings of the ecological survey results and the ecological mitigation and enhancement measures included in this ES. This will include specific mitigation measures for each affected habitat and species.

- Traffic Management Plan- this will be produced in advance of construction and will be agreed with the relevant highways authorities. The purpose of the Traffic Management Plan will be to minimise transport impact during the construction phase of the Project. The Traffic Management Plan will set out actions to reflect the mitigation measures included in this ES and will include details of construction vehicle routing; site accesses; the management of junctions to and crossings of the public highway; the scheduling and timing of movements, including the details of abnormal load movements; and temporary warning signs.

32.5 Onshore Operational Environmental Management

32.5.1 For the onshore works, the CC will be responsible for the maintenance of all newly planted trees and hedgerows for a minimum of two years to ensure successful reinstatement. Following this, the owner of the onshore connection will take over responsibility for nature conservation and horticultural management, to promote successful restoration. Operational environmental management plans are likely to be put in place by the operator of the substation and the cable route to coordinate audits and manage any environmental incidents that may occur.

32.6 Offshore Project Environmental Management and Monitoring Plan

32.6.1 A Project Environmental Management and Monitoring Plan (EMMP) for the offshore works will be prepared by E.ON and the CC for approval by the MMO.

32.6.2 The EMMP will be produced to set out the working methods of contractors and will set out the standards expected. The document will include details of:

- Proposed pre-construction surveys, construction monitoring and post-construction monitoring
- A marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction.
- A chemical risk assessment to include information regarding how and when chemicals are to be used, stored and transported.
- Waste management and disposal arrangements; and
- The appointment and responsibilities of a fisheries liaison officer, diving liaison officer and an environmental liaison officer.

Additional Plans

32.6.3 A number of other plans and documents will be produced as part of, or in addition to, the EMMP. This will include the following key documents:

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- Scour Protection Management and Cable Armouring Plan - this will provide details of the need, type, sources, quantity and installation methods for scour protection.
 - Marine Mammal Mitigation and Monitoring Plan - this will be developed in consultation with statutory and non-statutory consultees during the detailed design stage.
 - A written scheme of archaeological investigation (WSI) this will be developed in accordance with industry good practice and after discussions with English Heritage.

32.7 Offshore Operational Environmental Management

32.7.1 Activities will include the ongoing management of post construction surveys set out in the EMMP (above) and continued related dialogue with the MMO. An operational environment plan will be produced prior to operation which will include details on inspections and audits. It will also include emergency response plans in case of a pollution incident.



Rampion Offshore Wind Farm



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