The Great Grid Upgrade

North Humber to High Marnham

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North Humber to High Marnham

Volume 7: Other Documents

Document 7.2 Outline Code of Construction Practice

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Executive summary

National Grid Electricity Transmission plc (National Grid) is developing the North Humber to High Marnham Project (the Project), a proposed new 400 kV electricity transmission connection between East Riding of Yorkshire and Nottinghamshire. The Project would reinforce the national electricity transmission network, enabling the connection of new low carbon energy generation and supporting the delivery of the UK Government's clean power and net zero ambitions. The Project is a Nationally Significant Infrastructure Project (NSIP) for which development consent is being sought through a Development Consent Order (DCO) under the Planning Act 2008 (HM Government, 2008). It is recognised as a critical reinforcement to provide the network capacity required to meet future electricity demand and support the transition to a low-carbon energy system.

This Outline Code of Construction Practice (CoCP) has been prepared as part of the application for development consent.

This document provides the preliminary framework for the principles and procedures that the Main Works Contractor(s) must implement to minimise, manage and mitigate the environmental impacts of construction works associated with the Project. This Outline CoCP and supporting management plans will be fully developed based on detailed design information to be provided by the Main Works Contractor(s). The final version(s) will be submitted for approval in accordance with the applicable Requirement within Schedule 2 of **Application Document 3.1 Draft Development Consent Order** prior to commencement of development. This process ensures that detailed design is developed with clear alignment to the principles and procedures within this document.

This Outline CoCP sets out the required mitigation measures and environmental commitments that will be implemented during the construction phase of the Project, if consent is granted, as identified through the environmental assessments reported in the Environmental Statement (Volume 6 of the Development Consent Order (DCO) application). It also includes a number of mitigation measures and commitments that will need to be taken forward and implemented during operation (and maintenance) of the Project.

This Outline CoCP and the Final CoCP is intended to provide a systematic approach to environmental management so that environmental risks are identified, incorporated in all decision-making, and managed appropriately.

1. Introduction

1.1 Overview

1.1.1 National Grid Electricity Transmission plc (National Grid) owns and maintains the national high voltage electricity transmission network throughout England and Wales.

1.1.2 The transmission network connects the power from where it is generated to the regional distribution network operators who then supply businesses and homes.

1.1.3 National Grid holds the Transmission Licence for England and Wales, and its statutory duty is to develop and maintain an efficient, coordinated and economical system of electricity transmission and to facilitate competition in the generation and supply of electricity, as set out in the Electricity Act 1989 (HM Government, 1989).

1.1.4 National Grid has developed plans for the North Humber to High Marnham Project (the Project). The Project would support the UK government's net zero target through the connection of new low carbon energy generation and by reinforcing the transmission network.

1.1.5 The Project would establish a new 400 kilovolt (kV) transmission connection approximately 90 kilometres (km) in length between a new substation to be built in the vicinity of Birkhill Wood, located to the north of Hull near Creyke Beck in the East Riding of Yorkshire, and a new substation at High Marnham in Nottinghamshire.

1.1.6 The reinforcement is needed because the existing transmission network, even with current upgrading, will not have sufficient capacity for the new renewable energy (a substantial proportion of which would be generated by offshore wind) that is expected to connect to the network over the next 10 years and beyond. Completion of the Project, together with other new reinforcements across the country, will meet this future energy transmission demand across the UK.

1.1.7 The Project is a Nationally Significant Infrastructure Project (NSIP), and National Grid is seeking development consent under the Planning Act 2008 (HM Government, 2008). NSIPs require a type of planning permission known as a Development Consent Order (DCO). Instead of applying to the local authority for planning permission, the developer must apply to the Secretary of State via the Planning Inspectorate for a DCO.

1.1.8 National Grid has submitted an application for development consent to the Planning Inspectorate for the Project. The Examining Authority (consisting of one or more examining inspectors), after a period of public examination, will make its recommendation to the Secretary of State for Energy Security and Net Zero, who in turn will decide on whether development consent should be granted.

1.1.9 The Project has been identified as being critical to delivering a network which supports the clean power pathways for 2030 delivery.

1.2 Purpose and Structure of the Document

1.2.1 This document is the Outline Code of Construction Practice (CoCP) (**Application Document 7.2**). It provides the preliminary framework for the principles and procedures that the Main Works Contractor(s) (any organisation responsible for constructing components of the Project (including third-party works)) must implement to minimise, manage and mitigate the environmental impacts of construction works associated with the Project.

1.2.2 Section 1 introduces the Project, the purpose of the CoCP, and its role within the Environmental Impact Assessment (EIA) and DCO process. Section 2 describes the authorised development and the principal construction parameters. Sections 3 to 5 set out the management measures to be implemented during construction, including roles and responsibilities, environmental training, and the approach to securing consents, permits and stakeholder engagement.

1.2.3 Section 6 identifies the environmental mitigation measures and commitments derived from the Environmental Statement (ES), organised by topic. Section 7 defines the requirements for implementation, inspection, reporting and change control.

1.2.4 This document will be fully developed based on detailed design information to be provided by the Main Works Contractor(s). The final version will be submitted for approval in accordance with the applicable Requirement within Schedule 2 of **Application Document 3.1 Draft Development Consent Order** prior to commencement of development. This process ensures that detailed design is developed with clear alignment to the principles and procedures within this document.

1.2.5 This Outline CoCP has been produced to support the ES (Volume 6 of the DCO application).

1.2.6 This Outline CoCP sets out the framework for managing and monitoring construction-related activities to reduce impacts on people and the environment.

1.2.7 National Grid and the Main Works Contractor(s) will carry out all work in accordance with the approved CoCP during the construction of the Project, unless otherwise agreed with the relevant local planning authority (LPA).

1.2.8 The objectives of this Outline CoCP are to:

- Provide the framework for recording environmental risks, commitments and other environmental constraints and clearly identify the structures and processes that will be used to manage and control these aspects;
- Demonstrate compliance with legislation and identify where it will be necessary to obtain authorisation from relevant statutory bodies for permits, consents and licences not covered by the DCO;
- Provide a framework for monitoring, compliance auditing and inspection of agreed environmental aims to check that the aims are met; and
- Provide a prompt response to any non-compliance, including reporting, remediation and any additional mitigation measures required to prevent a recurrence.

1.3 Preparation of the CoCP

1.3.1 This section describes the four-stage iterative approach to developing the CoCP from the Initial Outline through to the CoCP(s) that the Main Works Contractor(s) will implement throughout the construction of the Project.

Stage 1: Initial Outline CoCP

1.3.2 The Initial Outline CoCP for the Project was produced to support **Application Document 6.5.A1 Environmental Statement Appendix 5.1 Environmental Impact Assessment Scoping Report**, and to identify the mechanism in which the Project would capture and present the environmental commitments/mitigation measures required to manage, minimise and mitigate the environmental effects of the Project.

Stage 2: Draft Outline CoCP

1.3.3 The draft Outline CoCP was prepared to support the Preliminary Environmental Information Report (PEIR) (National Grid, 2025). The draft Outline CoCP was prepared in parallel with the preliminary design, based on known Project information at the time of writing. Mitigation measures and environmental commitments within the draft Outline CoCP included proposed design and construction mitigation identified through the preliminary technical assessments reported in Chapters 6 to 20 of Volume I in the PEIR (National Grid, 2025).

Stage 3: Outline CoCP (this document)

1.3.4 The draft Outline CoCP has been updated to form this Outline CoCP, which has been submitted as part of application for development consent. This document is supported by **Application Document 7.3 Register of Environmental Actions and Commitments**, which contains the mitigation measures and environmental commitments required to reduce, manage, and, where possible, avoid construction-related impacts identified through the technical assessments reported in ES Chapters 6 to 20 (**Application Documents 6.6 to 6.21**).

1.3.5 This Outline CoCP is also supported by a number of outline environmental management plans which have been identified as being required through the process of environmental assessment, and through engagement with stakeholders.

1.3.6 All pre commencement operations must be carried out in accordance with this document unless otherwise agreed with the relevant planning authority and implement all applicable environmental commitments and monitoring requirements identified in **Application Document 7.3 Register of Environmental Actions and Commitments**.

Stage 4: CoCP

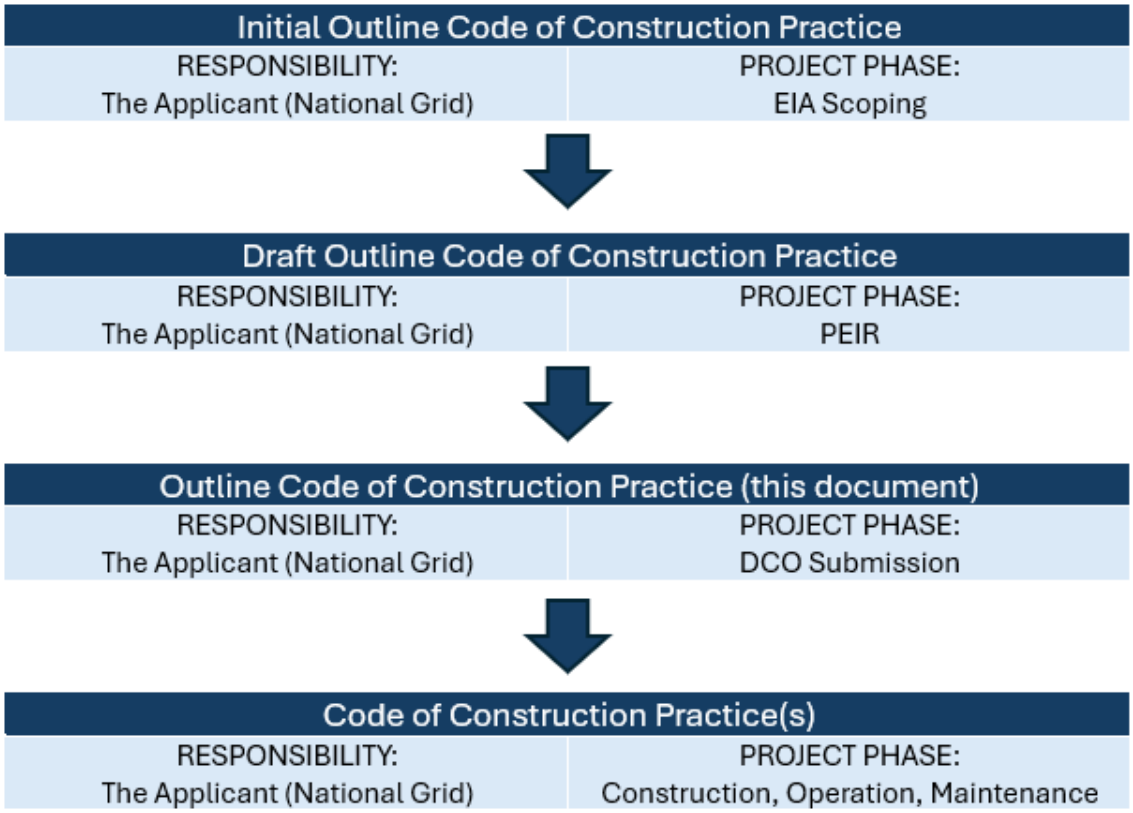
1.3.7 The Outline CoCP will be developed into the Final CoCP or multiple Final CoCPs (following detailed design) by the Main Works Contractor(s) to discharge the applicable Requirement within Schedule 2 of **Application Document 3.1 Draft Development Consent Order**. The CoCP(s) will be substantially in accordance with this Outline CoCP and will be developed prior to commencement of the main construction works and adhered to throughout the construction phase.

1.3.8 The CoCP(s) will include specific organisational information, such as organograms, contact details of the Environmental Managers/Environmental Clerks of Works (EnvCoWs) and specific organisational commitments.

1.3.9 The outline management plans will be developed by the Main Works Contractor(s) prior to the commencement of construction into the final control plans. Where relevant, the management plans will include contractor-specific working methodologies.

1.3.10 The stages of development for the CoCP are illustrated in Image 1.1.

Image 1.1 – Iterative Code of Construction Practice process



Compliance with the CoCP

1.3.11 The Outline CoCP will be secured by the applicable Requirement within Schedule 2 of **Application Document 3.1 Draft Development Consent Order**, together with being a contractual obligation the appointed Main Works Contractor(s) will have to follow.

1.4 Other Management Plans

1.4.1 A suite of management plans that will sit alongside the Code of Construction Practice will be produced, these include:

- Construction Traffic Management Plan (which must be substantially in accordance with the **Application Document 7.4 Outline Construction Traffic Management Plan**);

- Soil Management Plan (which must be substantially in accordance with **Application Document 7.5 Outline Soil Management Plan**);
- Public Rights of Way Management Plan (which must be substantially in accordance with the **Application Document 7.6 Outline Public Rights of Way Management Plan**);
- Noise and Vibration Management Plan (which must be substantially in accordance with the **Application Document 7.7 Outline Noise and Vibration Management Plan**);
- Landscape and Ecology Management Plan (which must be substantially in accordance with the **Application Document 7.8 Outline Landscape and Ecology Management Plan**);
- Archaeological Written Scheme of Investigation (which must be substantially in accordance with **Application Document 7.9 Outline Archaeological Written Scheme of Investigation**); and
- Cultural Heritage Management Plan (which must be substantially in accordance with **Application Document 7.10 Outline Cultural Heritage Management Plan**).

1.5 Register of Environmental Actions and Commitments

1.5.1 The Project will be carried out in accordance **Application Document 7.3 Register of Environmental Actions and Commitments**, this document sets out all the embedded, control and management and additional mitigation measures that have been taken into account in the preparation of the Environmental Statement.

2. Project Description

2.1 Summary

2.1.1 The Project is a new 400 kilovolt (kV) electricity transmission connection of approximately 90 kilometres (km) in overall length between two proposed new substations: the 400 kV Birkhill Wood Substation and 400 kV High Marnham Substation.

2.1.2 The Project comprises:

- Approximately 90 km of new overhead line (Route Code 4AF) between the proposed new 400 kV Birkhill Wood Substation and 400 kV High Marnham Substation;
- Replacement and re-alignment of a section of the existing 400 kV overhead line (Route Code 4ZQ) between Brantingham and east of Broomfleet;
- Replacement and re-alignment of a section of the existing 400 kV overhead line (Route Code ZDA) between Ealand and west of Keadby;
- Line entry connections to a proposed new 400 kV Birkhill Wood Substation;
- Line entry connections to a proposed new 400 kV High Marnham Substation; and
- The Project would include other required works, for example, temporary diversions for works on existing overhead line routes, temporary access roads, highway works, temporary works compounds, work sites and ancillary works. The Project would also include utility diversions and drainage works. There would also be land required for environmental mitigation, offsetting, compensation and Biodiversity Net Gain (BNG).

2.1.3 A full description of the Project is provided in **Application Document 6.4 Environmental Statement Chapter 4 Description of the Project**.

Construction Programme

2.1.4 Prior to the granting of the DCO consent, a number of pre-construction engineering and environmental surveys would be undertaken.

2.1.5 Should consent be granted, it is anticipated that construction of the Project would commence in 2028 and continue for five years through to 2033 (including reinstatement). Certain pre-commencement operations could take place following the grant of DCO consent and in advance of construction, including:

- Engineering investigations and surveys;
- Environmental (including archaeological) investigations and ongoing monitoring;
- Surveys and monitoring investigations for the purpose of assessing ground conditions;

- environmental mitigation measures and works to facilitate delivery of environmental compensation, offsetting and biodiversity net gain, vegetation clearance;
- diversion and laying of services, protection works comprising utilities protection works or fencing and protection slabs, demolition of existing buildings, site clearance;
- remediation in respect of any contamination or other adverse ground conditions;
- set up works associated with the establishment of construction compounds, temporary hardstanding areas and temporary laydown areas, receipt and erection of construction plant and equipment;
- temporary accesses including the laying down of access tracks and roads to compounds;
- erection of any temporary means of enclosure or temporary demarcation fencing marking out site boundaries and the temporary display of site notices or advertisements.

Construction Working Hours

Core working hours

2.1.6 Core working hours for construction are set out in **Application Document 3.1 Draft Development Consent Order**, and are as follows:

- Monday to Friday, 07:00–19:00; and
- Saturday, Sunday and public holidays, 08:00–17:00.

2.1.7 The core construction working hours exclude start-up and close-down activities, which would take up to one hour before and after the core construction working hours.

2.1.8 No percussive piling works may take place outside of the hours of 07:00 to 19:00 Monday to Friday and 08:00 to 17:00 on Saturdays, unless otherwise approved by the relevant planning authority.

Activities outside core working hours

2.1.9 The following typical operations may take place outside of the proposed core working hours:

- Trenchless crossing operations including beneath highways, utilities, pipelines, railway lines, woodlands, nature reserves or watercourses;
- The installation and removal of conductors, pilot wires and associated protective netting (included but not limited to) across highways, railway lines or watercourses;
- The jointing of underground cables;
- The completion of operations commenced during the core working hours which cannot safely be stopped;

- Any highway works or works within the highway where the relevant highway authority has requested such works to be undertaken outside the core working hours;
- The testing or commissioning of any electrical plant installed as part of the authorised development including undertaking of any identified corrective activities;
- The completion of works delayed or held up by severe weather conditions which disrupted or interrupted normal construction activities;
- Activity necessary in the instance of an emergency where there is a risk to persons or property;
- Security monitoring;
- Non-intrusive surveys;
- Intrusive surveys;
- The installation and removal of temporary bridges including the installation of any safety systems;
- Delivery of abnormal indivisible loads; and
- Mechanical and electrical installation works within buildings once erected and enclosed.

Heavy goods vehicle timings

2.1.10 Heavy goods vehicles, other than those associated with activities permitted outside core working hours, will not be permitted to arrive at site before 06:00 or depart after 19:00 on Mondays to Fridays, or before 06:00 or after 17:00 on Saturdays, Sundays and public holidays.

2.1.11 Where a Primary Access Route (PAR) passes directly past a primary school, construction vehicles will avoid weekday school drop-off and pick-up periods to minimise disruption and safeguard pupil safety.

Night Working

2.1.12 There is no intention for night working on the Project as standard. However, there would be occasions where night working is required, as set out in the activities that may take place outside of the core working hours above. This includes the potential for the trenchless crossing works to be undertaken at night. Parts of the trenchless crossing operations for modifications to third-party assets require continuous working to achieve completion of the crossing. Some road works may also need to be undertaken at night to reduce effects on local traffic.

Temporary Construction Compounds

2.1.13 Temporary construction compounds would be established early in the construction programme. Site cabins (standard modular units) would be up to double-storey in height and may be raised to take account of potential flood risk.

2.1.14 The locations of temporary construction compounds are identified and detailed in Table 2.1.

Table 2.1 – Proposed temporary construction compounds

Compound name (reference)	Project section	Compound type	DCO (Application Document 3.1 Draft DCO) works number
S-1	Route Section A	Satellite	Works No1
M-1	Route Section A	Main	Works No 2
S-2	Route Section A	Satellite	Works No 3
S-3	Route Section B	Satellite	Works No 4
M-2	Route Section C	Main	Works No 5
S-4	Route Section D	Satellite	Works No 6
M-3	Route Section E	Main	Works No 6
S-5	Route Section E	Satellite	Works No 6
S-6	Route Section F	Satellite	Works No 6

2.1.15 In addition to the temporary construction compounds listed in Table 2.1, a temporary construction laydown area would be required, located in proximity to bellmouth BM-042 and BM-043 off PAR 33 A161 King's Causeway, to the north of the construction access track.

2.1.16 The temporary construction laydown area would store stone and other materials to facilitate the construction of the Project. Material storage would be needed for the duration of the construction phase and would likely store material to a maximum of 4 m in height at any one time.

2.1.17 The construction laydown area has been selected to avoid sensitive environmental features. Preparation and reinstatement of the temporary construction laydown area would be undertaken in accordance with **Application Document 7.5 Outline Soil Management Plan** and **Application Document 7.3 Register of Environmental Actions and Commitments**.

2.1.18 As well as the temporary construction compounds outlined above, site staff welfare units (including Portaloos or similar) would also be required along the Project at strategically placed locations, to allow construction staff to have access to welfare facilities.

2.1.19 In addition, materials may be temporarily placed adjacent to any temporary construction areas or within the Order Limits during construction, for example pylon components before use.

3. Project Team Roles and Responsibilities

3.1 Environmental Management System

3.1.1 National Grid will implement management processes and briefings so that the works are carried out in accordance with current legislation and guidance at the time of construction. This will be achieved by application of well-established work processes that apply the recognised British Standard (BS) EN ISO 14001:2026 or equivalent.

3.1.2 The Main Works Contractor(s) will have an environmental policy that meets the requirements of ISO 14001 or equivalent, through their internal business management system procedures. The policy statement will be displayed on the site notice boards, publicised to all site staff and operatives, and made available to interested parties upon request.

3.2 Project Responsibilities

3.2.1 A management structure that includes an organisational chart encompassing the roles of all staff responsible for environmental work would be included within the approved Code of Construction Practice. This will set out the respective roles and responsibilities in respect to the environment and identify the nominated Construction Environmental Manager(s). Illustrative key roles and responsibilities are set out in Table 3.1. Additional task-specific roles may be required throughout the construction phase. Where such roles are proposed, the extent of their responsibilities have been defined within the applicable management plans (where produced).

Table 3.1 – Illustrative key roles and responsibilities for the Project

Role	Organisations	Responsibilities
Environmental Manager(s)	Main Works Contractor(s)	The Environmental Manager(s) will be responsible for the maintenance of all environmental plans and registers, including monitoring to ensure the environmental measures and mitigations are implemented on-site. They will be the main point of contact for all environmental matters on the Project. They will also develop good working relationships with external stakeholders, such as the Environment Agency, Natural England and the relevant planning authorities.
Environmental Advisor(s)	Main Works Contractor(s)	The Environment Advisor(s) will provide environmental oversight for construction activities, ensuring compliance with the Code of Construction Practice through site inspections, monitoring, advice, and proactive management of environmental risks to minimise impacts on people and the environment.

Role	Organisations	Responsibilities
Environmental Clerk of Works (EnvCoW)	National Grid	The EnvCoW(s) will monitor the works and ensure compliance with management plans and mitigation measures as required by the DCO. The EnvCoW will be supported by appropriate technical specialist advisors depending on the location and potential effects.
Ecological Clerk of Works (ECoW)	Main Works Contractor(s)	The ECoW(s) will monitor the works to ensure compliance with any licences, permits and consents obtained to avoid effects on protected species and habitats, along with ensuring compliance with environmental legislation. The ECoW will oversee ecological pre-construction surveys and will also manage ecological operatives engaged in ecological mitigation activities, such as undertaking toolbox talks, ecological watching briefs and translocation of protected species.
Arboricultural Clerk of Works (ArbCoW)	Main Works Contractor(s)	The ArbCoW(s) will monitor works conducted by a suitably qualified and experienced arborist to/within proximity to all retained trees (including trees under Tree Preservation Orders and veteran trees). This is to ensure relevant control measures are in place to protect retained trees.
Archaeological Clerk of Works (ACoW)	Main Works Contractor(s)	The ACoW will monitor the works to ensure compliance with the approved Archaeological Written Scheme of Investigation and relevant Detailed Written Schemes of Investigation.
Landscape Clerk of Works (LCoW)	Main Works Contractor(s)	The LCoW will oversee the implementation and establishment of landscape works, ensuring compliance with design specifications and quality standards.
Permits and Consent Manager(s)	Main Works Contractor(s)	The Permits and Consents Manager(s) (or suitably experienced Environmental Advisor) will collaborate with the Environmental Manager to draft and submit permits and consents on behalf of the Project, track the progress, provide updates and communicate approvals.
Works Supervisor(s)	Main Works Contractor(s)	The Works Supervisor(s) will be responsible for delivering the works in accordance with the requirements of the approved Code of Construction Practice, implementing good environmental practices required by the Environmental Manager(s). They are responsible for managing operatives, plant, and their areas of work, and providing appropriate training in accordance with the principles of good environmental practice.
Site Waste[1] Manager	Main Works Contractor(s)	The Site Waste Manager will be responsible for day to-day waste management and maintaining site waste

[1] This role may be incorporated into the Environmental Manager(s) role where candidates have appropriate experience.

Role	Organisations	Responsibilities
		registers/documentation. They will maintain the central register of all waste consignment notes.
Land Officer(s)	Main Works Contractor(s)	The Land Officer(s) will provide a single point of contact for both the Main Works Contractor(s) and the landowner/occupier of the land. They will be responsible for delivering site access in line with pre-agreed timescales, facilitating the dialogue between the Main Works Contractor(s) and the landowner/occupier as necessary, and will be the first point of contact for any issues escalated by the landowner/occupier or the Main Works Contractor(s). They will be responsible for witnessing and agreeing all land condition surveys conducted by the Main Works Contractor(s).
Technical specialist advisors	Main Works Contractor(s)/ National Grid	The Main Works Contractor(s)/ National Grid will appoint technical specialists who will have the relevant experience to supervise the relevant aspects of the works, such as an agricultural field drainage specialist, land contamination specialist and/or soil specialist, as required.

3.2.2 This section will be further developed within the Final CoCP(s) by the Main Works Contractor(s) to include the following:

- Project organograms and contact details of key staff;
- Lines of communication and reporting;
- Approaches for engagement with the community and stakeholders;
- Emergency procedures; and
- Specific organisational commitments.

4. Training and Awareness

4.1 Training

4.1.1 In accordance with commitment GG04 within **Application Document 7.3 Register of Environmental Actions and Commitments**, staff and operatives working on the Project will undergo training that is relevant to increase their awareness of environmental issues, as applicable to their role on the Project. Topics would include, but not be limited to:

- Working hours;
- Ecology: working in or adjacent to protected sites and priority habitats, protected species, management, mitigation and controls;
- Water management: legislation, buffer zones, control mechanisms, flood risks and emergency response procedures;
- Waste management: legislation, segregation, contamination and best practice;
- Agreed traffic routes and access points;
- Nuisance: dust, behaviour, noise, vibration, management and controls;
- Working around trees: tree and root protection;
- Contaminated land: recognising and dealing with contaminated material;
- Pollution prevention and incident response;
- Spill and emergency response; and
- Interaction with road users, such as pedestrians, cyclists and horse riders.

4.1.2 Specific training needs will be identified and provided prior to undertaking any site work for all personnel involved in work activities that could result in an adverse effect on the environment. The training will include reference to the importance of adhering to the contents of the approved Final CoCP, and the potential consequences of departure from specified method statements.

4.1.3 Environmental training in the form of toolbox talks will also be undertaken on-site (along with all other training), evidence of which will be maintained on record as part of the Main Works Contractor(s) management system.

4.1.4 Prior to commencing work on-site, all personnel will also undergo a site induction, where the Main Works Contractor(s) will communicate the environmental objectives, requirements and responsibilities to the workforce. Environmental site rules will detail site personnel's obligations while on-site. This will introduce accountability for personnel working on the Project.

4.1.5 Site-specific environmental information will be made available for reference by the site teams where required, and will be included in the Site Supervisor's safe work pack. This will be prepared by the Main Works Contractor(s) prior to site work, and the information will be reviewed at regular intervals to ensure it is up to date.

4.2 Health and Safety

4.2.1 National Grid is committed to ensuring the health and safety of persons working on projects is maintained in accordance with The Construction (Design and Management) Regulations 2015 (HM Government, 2015) and the principles and philosophy behind them.

4.2.2 In accordance with The Construction (Design and Management) Regulations 2015 (HM Government, 2015), the Main Works Contractor(s) must have a Construction Phase Plan agreed by National Grid and in place prior to construction works commencing.

4.2.3 A Safety Health and Environment Plan will be prepared by the Main Works Contractor(s) for each element of the Project and updated accordingly as the Project develops. The Safety Health and Environment Plan will ensure that adequate arrangements and welfare facilities are in place to cover:

- The safety of construction staff;
- The safety of all other people working at or visiting the construction site;
- The protection of the public in the vicinity of the construction site;
- Compliance with The Construction (Design and Management) Regulations 2015 (HM Government, 2015) and associated Health and Safety Executive guidance documents;
- Emergency procedures being defined and adopted; and
- Appropriate training and information being provided to personnel.

4.2.4 All staff, site visitors and delivery drivers will receive the relevant level of Project induction from the Main Works Contractor(s) to ensure awareness of site hazards and health, safety and environmental management requirements. Site staff will be briefed daily by the Main Works Contractor(s) prior to work commencing. Site-specific risk assessments will be carried out to ensure the risk strategy of the frequently changing workplace remains relevant. The Main Works Contractor(s) will be required to carry out audits and inspections.

5. Consents, Licences, Assents and Permissions

5.1 Licences, Assents, Consents and Permits

5.1.1 The Project will be operated and constructed in accordance with all relevant legislation, consents and permits. The Permits and Consent Manager(s) for the Main Works Contractor(s) will be responsible for drafting and submitting applications for permits and consents on behalf of the Project, tracking the progress, providing updates, and communicating approvals, as detailed in Table 5.1. This is with the exception of any consents and permissions that would be included within the DCO.

5.1.2 The anticipated licences, assents (in relation to Sites of Special Scientific Interest), consents and permits required to deliver the Project are detailed in Table 5.1. For further details, see **Application Document 5.4 Consents and Licences Required Under Other Legislation**.

Table 5.1 – Anticipated licences, assents, consents and permits

Consent type	Consenting agency/organisation
European Protected Species (EPS) Licensing – Bats	Natural England
Protected Species Licence – District Level Licensing (DLL) – Great Crested Newts	Natural England
Protected Species Licence – Otter	Natural England
Protected Species Licence – Water Vole	Natural England
Protected Species Licence – Dormouse	Natural England
Protected Species Licence – Badger	Natural England
Notification of works within a Local Wildlife Site	Relevant LPA
Flood Risk Activity Permit (temporary and permanent)	Environment Agency
Consent to discharge surface water to watercourses within an Internal Drainage Board district	Relevant Internal Drainage Board
Licence to abstract and subsequently discharge water to facilitate dewatering (if required)	Environment Agency
Water Connections Agreement for supply of mains water	Relevant Water Supply Company
Storage of waste permit	Environment Agency
Environmental Permit (soil contamination)	Environment Agency
Control of pollution consent (noise and vibration)	Relevant LPA

Consent type	Consenting agency/organisation
Permit for the transport of abnormal indivisible loads (AILs)	National Highways, local highway authority, the police and/or structures authority (if necessary)
Network Rail approval for AILs and construction traffic crossing their assets	Network Rail Abnormal Roads Team
Consent to carry out works within a Site of Special Scientific Interest (SSSI) under section 28E and 28H of the Wildlife and Countryside Act 1981	Natural England

5.2 Community Engagement and Public Information

5.2.1 The Mains Works Contractor(s) will implement a system for the provision of information to local residents and occupiers about the works. A community relations team will be appointed to provide dedicated community relations and external communication support during construction. The information to be provided to local residents will be specific to the works to be carried out, describing the nature of the works, the location and extent of the works, the duration of works and the hours to be worked.

5.2.2 Local residents will be informed of the commencement and likely duration of the construction work activities through a letter drop. It is anticipated that the letter(s) will be tailored to a specific area, and reflect the works to be carried out and the duration of works. The letter will include a contact telephone number, which is assumed to be staffed at all times that construction activities are being undertaken on-site.

5.2.3 The name and contact details for the Project will be displayed at a safe and accessible point in close proximity the entrance to the main site compounds. This will include an emergency telephone number. In addition, details of the works will be provided to relevant community groups, such as the local parish councils and landowners, before work commences.

5.2.4 A free telephone Project helpline and Project website will be maintained and managed by the National Grid community relations team. The Project helpline and website information will be displayed on boards placed in appropriate locations where they will be visible to the public. The telephone number and Project website details will be provided to the relevant local planning authorities and other relevant parties.

5.2.5 The community relations team will record the details of any complaints and how these are to be investigated and appropriately managed.

Emergency Procedures

5.2.6 National Grid has the following processes in relation to an emergency incident during construction. The primary objectives in responding to any incident are as follows:

- Preserve and protect life;
- Prevent or mitigate damage to the environment; and
- Prevent or mitigate losses to property.

5.2.7 In accordance with commitment GG25 within **Application Document 7.3 Register of Environmental Actions and Commitments**, the Main Works Contractor(s) will develop an Environmental Emergency and Incident Response Plan that will set out the specific incident response procedures. This will detail the roles and responsibilities aligned with the delivery strategy for construction.

5.2.8 Details and close out actions of incidents that have been reported to the relevant planning authorities will be provided as soon as practicable. Relevant organisations will be contacted as part of the incident response. These include, but are not limited to, the Environment Agency, relevant planning authorities, Natural England, gas/ water/ electricity providers and the relevant emergency services.

6. Environmental Commitments and Monitoring

6.1 Overview

6.1.1 The sections below present summaries of each of the environmental topic chapters in the ES (Volume 6 of the DCO application) to aid cross referencing between the assessment and the mitigation measures. Each section contains a succinct summary of where for that topic relevant construction and operational (and maintenance) phase mitigation measures and environmental commitments are contained.

Landscape

6.1.2 **Application Document 6.6 Environmental Statement Chapter 6 Landscape** considers potential effects on landscape character and designated landscapes. The assessment of effects on landscape character and resources includes effects upon the physical elements (e.g. landform or vegetation), character and/ or qualities of the landscape, with reference to Landscape Character Areas and Landscape Character Types. The main effects on landscape receptors during construction comprise the removal of vegetation, along with the presence of construction activities and equipment within the landscape. There would be adverse landscape effects during operation (and maintenance) due to the introduction of the proposed overhead line into the landscape.

Embedded, control and management and additional mitigation measures

6.1.3 Construction and operational (and maintenance) phase mitigation measures in relation to landscape are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**; and
- **Application Document 7.8 Outline Landscape and Ecology Management Plan including an Outline Landscape Maintenance and Management Plan**.

Visual

6.1.4 **Application Document 6.7 Environmental Statement Chapter 7 Visual** considers the potential effects of the Project on visual effects and visual amenity. Visual effects refer to specific vantage points or lines of sight, either stationary or from a receptor moving through the landscape, and visual amenity refers to overall aesthetic quality and attractiveness of a landscape or environment. The main visual and visual amenity effects relate to the introduction of construction infrastructure or changes to the landscape as a result of construction activities.

Embedded, control and management and additional mitigation measures

6.1.5 Construction and operational (and maintenance) phase mitigation measures in relation to visual effects are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**; and

- **Application Document 7.8 Outline Landscape and Ecology Management Plan including an Outline Landscape Maintenance and Management Plan**.

Ecology

6.1.6 **Application Document 6.8 Environmental Statement Chapter 8 Ecology** considers the potential effects of the Project on ecology. The receptors considered were statutory designated sites, non-statutory designated sites, ancient woodland, veteran trees, priority habitats, and terrestrial and aquatic biodiversity (including protected species). The Project could affect biodiversity during construction through direct effects, such as the loss or fragmentation of habitats within the construction footprint, or indirectly through changes in groundwater, pollution of watercourses or deposition of dust. Species could also be affected directly through injury or mortality and indirectly through disturbance.

Embedded, control and management and additional mitigation measures

6.1.7 Construction and operational (and maintenance) phase mitigation measures in relation to ecology are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.8 Outline Landscape and Ecology Management Plan including an Outline Landscape Maintenance and Management Plan**; and
- **Application Document 7.14 Arboricultural Impact Assessment**.

Ornithology

6.1.8 **Application Document 6.9 Environmental Statement Chapter 9 Ornithology** considers the potential effects of the Project on ornithology (birds). The receptors considered were statutory designated species and their associated breeding sites, along with migratory patterns and supporting habitat. The Project could affect bird species during construction through direct effects, such as species disturbance from noise-related activities, temporary loss of habitat and/or fragmentation of habitat and displacement of bird species.

Embedded, control and management and additional mitigation measures

6.1.9 Construction and operational (and maintenance) phase mitigation measures in relation to ornithology are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**; and
- **Application Document 7.8 Outline Landscape and Ecology Management Plan including an Outline Landscape Maintenance and Management Plan**.

Cultural Heritage

6.1.10 **Application Document 6.10 Environmental Statement Chapter 10 Cultural Heritage** considers the potential effects on archaeological remains, built heritage and historic landscape assets. The Project could affect the historic environment during

construction by disturbing known and unknown archaeology during excavation, and through the removal of historic landscape features.

Embedded, control and management and additional mitigation measures

6.1.11 Construction and operational (and maintenance) phase mitigation measures in relation to cultural heritage are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.9 Outline Archaeological Written Scheme of Investigation**; and
- **Application Document 7.10 Outline Cultural Heritage Management Plan**.

Water Environment

6.1.12 **Application Document 6.11 Environmental Statement Chapter 11 Water Environment** considers the potential effects on hydrology, land drainage and flood risk, including surface water receptors. In addition, **Application Document 7.12 Water Framework Directive Assessment** and **Application Document 7.13 Flood Risk Assessment** have been produced as part of the application for development consent.

Embedded, control and management and additional mitigation measures

6.1.13 Construction and operational (and maintenance) phase mitigation measures in relation to the water environment are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**; and
- **Appendix A Outline Flood Warning and Evacuation Plan**.

Geology and Hydrogeology

6.1.14 **Application Document 6.12 Environmental Statement Chapter 12 Geology and Hydrogeology** considers the potential impacts on contaminated land, geology and hydrogeology during construction and operation (and maintenance) of the Project, and whether those impacts are likely to result in significant effects on groundwater, mineral deposits, designated geological sites, surface water (associated with groundwater impacts) and human health.

Embedded, control and management and additional mitigation measures

6.1.15 Construction and operational (and maintenance) phase mitigation measures in relation to geology and hydrogeology are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**.

Agriculture and Soils

6.1.16 **Application Document 6.13 Environmental Statement Chapter 13 Agriculture and Soils** considers the potential effects of the Project on soil quality and soil resources. The chapter sets out the mitigation measures that will be undertaken in relation to soil.

Embedded, control and management and additional mitigation measures

6.1.17 Construction and operational (and maintenance) phase mitigation measures in relation to agriculture and soils are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**; and
- **Application Document 7.5 Outline Soil Management Plan**.

Traffic and Transport

6.1.18 **Application Document 6.14 Environmental Statement Chapter 14 Traffic and Transport** considers the potential impacts of the Project on the local road network, sections of the strategic road network, public rights of way (PRoWs) and navigable waterways. The Project could affect receptors during construction through increased traffic on the highway network, temporary road closures and diversions, temporary PRoW closures and diversions and temporary stopping up of navigable waterways.

Embedded, control and management and additional mitigation measures

6.1.19 Construction and operational (and maintenance) phase mitigation measures in relation to traffic and transport are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.6 Outline Public Rights of Way Management Plan**; and
- **Application Document 7.4 Outline Construction Traffic Management Plan**.

Air Quality

6.1.20 **Application Document 6.15 Environmental Statement Chapter 15 Air Quality** considers the potential air quality and dust effects on both human receptors and ecological receptors. The chapter sets out the mitigation measures that will be undertaken in relation to air quality.

Embedded, control and management and additional mitigation measures

6.1.21 Construction and operational (and maintenance) phase mitigation measures in relation to air quality are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**.

Noise and Vibration

6.1.22 **Application Document 6.16 Environmental Statement Chapter 16 Noise and Vibration** considers the potential noise and vibration effects on human receptors.

Embedded, control and management and additional mitigation measures and environmental commitments

6.1.23 Construction phase mitigation measures in relation to noise and vibration are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.4 Outline Construction Traffic Management Plan**; and
- **Application Document 7.7 Outline Noise and Vibration Management Plan**.

Socio-economics, Recreation and Tourism

6.1.24 **Application Document 6.17 Environmental Statement Chapter 17 Socio-economic, Recreation and Tourism** considers the potential impacts and effects on the local economy, local employment, tourism economy, and pressures on local visitor accommodation during construction of the Project. It also assesses disruption of access to community facilities, tourism and recreational assets, and severance and 'sterilisation' of land in the context of its potential for future development during construction and operation (and maintenance) of the Project.

Embedded, control and management and additional mitigation measures and environmental commitments

6.1.25 Construction phase mitigation measures in relation to socio-economics, recreation and tourism are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.6 Outline Public Rights of Way Management Plan**; and
- **Application Document 7.4 Outline Construction Traffic Management Plan**.

Health and Wellbeing

6.1.26 **Application Document 6.18 Environmental Statement Chapter 18 Health and Wellbeing** considers the potential impacts on both physical and mental health and wellbeing of the general population, and vulnerable groups/communities who may be disproportionately affected by such changes during construction and operation (and maintenance) of the Project.

Embedded, control and management and additional mitigation measures

6.1.27 Construction and operational (and maintenance) phase mitigation measures in relation to health and wellbeing are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**;

- **Application Document 7.4 Outline Construction Traffic Management Plan**; and
- **Application Document 7.6 Outline Public Rights of Way Management Plan**.

Climate Change

6.1.28 **Application Document 6.19 Environmental Statement Chapter 19 Climate Change** considers the potential impacts on climate change from the Project and vice versa. Effects can occur during construction from emissions of greenhouse gases and carbon outputs to the resilience of the Project to future climate events.

Embedded, control and management and additional mitigation measures

6.1.29 Construction and operational (and maintenance) phase mitigation measures in relation to climate change are contained in the following:

- Mitigation measures/environmental commitments in **Application Document 7.3 Register of Environmental Actions and Commitments**.

7. Implementation and Monitoring Requirements

7.1 Implementation of the CoCP

7.1.1 National Grid will put in place robust procedures to inform and supervise all those working on the Project, including its Main Works Contractor(s), to make sure the control measures set out in the CoCP are adopted when undertaking the construction of works authorised by the DCO. The main responsibility for implementing these control measures will fall to the Main Works Contractor(s).

7.1.2 The Main Works Contractor(s) will brief all operatives on the specific details within the CoCP prior to the commencement of works and provide adequate training (as defined in Section 3). The briefings will be delivered by a suitably trained member of the team such as, but not limited to, the Environmental Manager or Works Supervisor.

7.2 Site Checks and Reporting

7.2.1 The Main Works Contractor(s) will undertake pre-site condition surveys as part of the site setup. This will include making a record of the condition of existing features such as tracks and roads. Post-site condition surveys will be undertaken by the Main Works Contractor(s) after construction and the results of these will be discussed with the landowner prior to handover.

7.2.2 Regular site checks will be carried out across the Project to monitor compliance with the CoCP and other associated plans. The programme of site inspections will be managed by the Environmental Manager who will draw on appropriate, suitably experienced specialists for specific tasks. Further details and an indicative programme of inspections will be incorporated within the CoCP.

7.2.3 Site checks and inspections will include checks against compliance with control and management mitigation measures and other commitments made by the Project.

Environmental Monitoring

7.2.4 The assessment within the ES requires that environmental mitigation measures and actions can be tracked and monitored to ensure that the Project would not give rise to materially greater environmental effects than those reported in the ES. Some of these will be generic (for example, covered by regular inspections, etc.) and some will be more specific (for example, noise monitoring). Details of monitoring requirements are included within **Application Document 7.3 Register of Environmental Actions and Commitments** and, where necessary, within the applicable outline management plans.

7.3 Change Process

7.3.1 The CoCP is one of the plans listed in the applicable Requirement within Schedule 2 of **Application Document 3.1 Draft Development Consent Order**.

7.3.2 Where there is a need to update the CoCP the below text addresses the process for changing the CoCP itself. This does not cover changes to the DCO (material or non-material) which would be managed through the process set out in Schedule 6 of the Planning Act 2008 (HM Government, 2008). Therefore, the below process is limited to changes to the CoCP.

7.4 Code of Construction Practice Changes

7.4.1 It may be necessary to amend the details contained in the approved CoCP as a result of the iterative discussion and engagement that will continue after the discharge of the relevant requirement. The resulting changes would not alter any of the underlying commitments, mitigations and methodologies set out in the CoCP. An example may be where a preconstruction survey identifies that a measure already committed to is no longer required in the CoCP. In every case, consideration will be given to any changes to the outcome of the assessment of environmental effects.

7.4.2 Where there is a proposed material change (such as new technologies relating to noise mitigation measures) to the CoCP, and it is concluded that this change would result in the applicable document would no longer being in substantial accordance with that approved within the applicable Requirement of Schedule 2 of **Application Document 3.1 draft DCO**. National Grid will provide details to the relevant local planning authority, together with evidence of relevant stakeholder engagement, whereupon the relevant planning authority will, acting reasonably, endeavour to respond within 28 days to either confirm its consent to the change to the CoCP or provide its reasons why the change is not accepted.

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Appendix A Outline Flood Warning and Evacuation Plan

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Appendix A
Flood Water Evacuation Plan

A.1 Introduction

A.1.1 This appendix to **Application Document 7.2 Code of Construction Practice** sets out the Outline Flood Warning and Evacuation Plan for the Project.

Purpose and Structure of the Document

A.1.2 This document is an outline Flood Warning and Evacuation Plan (FWEP), prepared as an appendix to **Application Document 7.2 Outline Code of Construction Practice.** It forms part of a suite of outline management plans that provide the preliminary framework for the principles, standards and procedures that the Main Works Contractor(s) must implement to minimise and manage the potential environmental impacts of construction activities associated with the Project. This outline management plan would be fully developed based on detailed design and construction methodology information to be provided by the Main Works Contractor(s). The final version would be submitted for approval in accordance with Requirement 4 of **Application Document 3.1 Draft Development Consent Order** prior to commencement of development. This process ensures that detailed design is developed with a clear alignment between **Application Document 7.2 Outline Code of Construction Practice** and this outline management plan.

A.1.3 A full Flood Warning and Evacuation Plan (FWEP) documenting flood emergency arrangements during the construction phase of the Project will be subject to regular update and review. It will provide information for construction Site Manager(s) and on-site personnel on how to respond to a warning of a fluvial and/or tidal flood event. This Outline FWEP complements **Application Document 7.13 Flood Risk Assessment** (FRA) and will be updated by the Main Works Contractor(s) to a full FWEP prior to the commencement of construction.

A.1.4 Whilst the potential risk of flooding within the Order Limits has been significantly reduced through the embedded, control and management and additional mitigation measures documented in the **Application Document 7.3 Register of Environmental Actions and Commitments** it has not entirely been removed. Therefore, to manage the residual risk, this Outline FWEP has been developed to help ensure that construction personnel are prepared in the event of a flood emergency.

A.1.5 Section A.1 of this document outlines the introduction, including terminology. Section A.2 provides an overview of flood risk, including potential sources of flooding and frequency of inundation of Project infrastructure. Section A.3 outlines the Flood Warning and Evacuation Plan and details the structure of the subsequent sections.

Terminology

A.1.6 Flood risk is a product of both the likelihood and consequences of flooding. Throughout this document, flood events are defined according to their likelihood of occurrence. Floods are described according to an ‘annual chance’, meaning the chance of a particular flood occurring in any one year. A flood with an annual chance of 1 in 100 (a 1 in 100 chance of occurring in any one year), has a 1% annual exceedance probability (AEP).

Limitations

A.1.7 This plan has been compiled using third party data and National Grid is unable to guarantee the accuracy of information. This outline plan is based on information available at the time of writing. Any additional information which becomes available would be considered and used in the publication of the full Flood Warning and Evacuation Plan.

A.2 Flood Risk Overview

Sources of Flooding

A.2.1 A full appraisal of sources of flooding has been undertaken within **Application Document 7.13 Flood Risk Assessment**. This Outline FWEP focuses on the predominant sources of flooding risk to the Project, which are:

- Fluvial (river)
- Tidal
- Pluvial (surface water)

A.2.2 **Application Document 7.13 Flood Risk Assessment** has identified locations that are at risk of flooding from these sources within the Order Limits. Section A.2.2 of this plan presents information on the likelihood of these locations being impacted by flooding during construction of the Project.

A.2.3 Whilst groundwater is a potential source of flood risk, the FRA concludes that construction activities will be at low risk of flooding from this, typically slow onset, source. Therefore, this source of flood risk has been excluded from this Outline FWEP.

Flood Mechanisms and Likelihood

Fluvial Flooding

A.2.4 The Project's Order Limits cross through expanses of Flood Zone 2 and Flood Zone 3, which are defined as areas at medium and high risk of flooding, excluding consideration of any protection afforded by existing flood defences. However, there are extensive flood defences present which reduce the risk of routine floodplain inundation. The reported flood risk data in Table A.1 has been determined from the outputs of hydraulic models provided by the Environment Agency. These models include the Tidal Trent (2022), Upper Humber (2016) and River Torne (2025). Construction Project components are shown on **Application Document 6.4.F3 Environmental Statement Figure 4.3 Temporary Construction Works.**

A.2.5 This Outline FWEP covers the construction phase of the Project. If consented, construction is forecasted to be completed by the end of 2031 with reinstatement completed by mid 2033, and therefore, where present day modelling outputs were not provided, modelled outputs with the lowest climate change allowances were used as a conservative proxy.

A.2.6 Where construction activities take place in defended fluvial floodplains, temporary construction compounds, laydown areas, pylon work areas, and other work sites would be laid out in accordance with the sequential approach, situating the more

vulnerable land uses in areas at lower risk, and incorporate flood resilience measures where necessary. Material storage areas will be located outside of the fluvial floodplain where practicable. If this is not feasible, storage of construction equipment and materials would be done in such a way as to avoid forming barriers to floodplain flows. These commitments to managing and mitigation fluvial flood risk are described in **Application 7.3 Register of Environmental Actions and Commitments.**

Table A.1 – Summary of fluvial flooding extents and frequency of inundation

Watercourse / Location	Component of the Project Affected	Maximum Width of Floodplain	Event in which Out of Bank Flooding First Occurs (Model)
Ouse North Bank NGR: SE 82785 24526	Stringing position (associated with pylon 4AF76)	1.2km	1 in 1000 year defended fluvial flood
	Pylon working area (associated with pylons 4AF77, 4AF76, 4AF75)		
Ferry Drain NGR: SK 78844 98209	Pylon working area (associated with pylons 4AF161, 4AF160, 4AF159)	0.7km	1 in 100 year defended fluvial flood plus 29% allowance for climate change
	Stringing position (associated with pylon 4AF160)		

A.2.7 Out of bank flooding across the Project is predicted to occur only in rare events, with a residual risk in a defence breach scenario.

A.2.8 The Tidal Trent model outputs around Keadby are conservative as the model simulates the pumping stations at Keadby, which govern interactions between flows in the Trent and the Three Rivers (comprising the River Torne, Hatfield Waste Drain, and the South Engine Drain) being switched off. A more representative assessment of flood risk in this location is provided by outputs from the River Torne model, and it is confirmed that there are no construction components located within the flood extent outputs from this model.

A.2.9 In addition to those elements of the Project's temporary works tabulated above there are several stretches of the Projects construction access tracks that cross through areas where there is a mapped risk of fluvial flooding.

A.2.10 It is acknowledged that there is a higher residual risk of flooding at sites within the Order Limits that benefit from protection from flood defences. However, the probability of a breach event over the relatively short duration of the construction of the Project is low.

Tidal Flooding

A.2.11 Several watercourses across the Project are tidally influenced. Extensive sections of land within the Order Limits cross areas in Flood Zone 2 and 3 and within defended tidal flooding extents. The reported flood risk data in Table A.2 has been determined from the outputs of hydraulic models provided by the Environment Agency If consented, construction is forecasted to be completed by the end of 2031 with

reinstatement completed by mid 2033, and therefore, where present day modelling outputs were not provided, modelled outputs with the lowest climate change allowances were used as a conservative proxy. Construction Project components are shown on **Application Document 6.4.F3 Environmental Statement Figure 4.3 Temporary Construction Works, Application Document 6.4.F1 Environmental Statement Figure 4.1 Proposed Project Design,** and **Application Document 6.4.A2 Appendix 4.2 Indicative Bridge and Culvert Schedule.**

A.2.12 There are several commitments to managing and mitigating tidal flood risk outlined within **Application Document 7.3 Register of Environmental Actions and Commitments** including (summarised):

- W13: which outlines that the design of the haul roads themselves will include some resilience to flooding for example, incorporating suitable geo-textiles to stabilise the road surfacing, as well as allowing water to flow within the floodplain. Suitable materials would be used to surface the haul roads. In some cases, bespoke construction methodologies may be used based on site constraints and ground conditions.
- W10: ensures no detriment to the integrity of the defences. Monitoring protocols and triggers / remedial actions would be agreed with the Environment Agency. This would ensure that the existing standard of protection afforded by these defences to the construction site and wider areas is not compromised;
- W06: would secure that the contractor(s) would subscribe to the Environment Agency flood warning e-service and the Met Office's Weather Warnings email alert system and monitor any other relevant flood warning information.

Table A.2 – Summary of tidal flooding extents and frequency of inundation

Watercourse / floodplain	Component of the Project affected	Maximum width of floodplain	Event in which Out of Bank Flooding first occurs
Ouse North Bank	Pylon working areas associated with pylons 4AF56 – 4AF77	4.6 km	1 in 1000 year defended tidal flood
	Stringing areas (associated with pylons 4AF58, 4AF60, 4AF62, 4AF67, 4AF71, 4AF73, 4AF76)		
	Bridge working area (BC-13, BC-34, BC-06, B-15, BC-03		
Ouse South Bank	Pylon working areas associated with pylons 4AF78 – 4AF91	2.8 km	1 in 1000 year defended tidal flood
	Stringing areas (associated with pylons 4AF79, 4AF80, 4AF84, 4AF87)		

Watercourse / floodplain	Component of the Project affected	Maximum width of floodplain	Event in which Out of Bank Flooding first occurs
	Bridge working area (BC-11, BC-15, BC-17, BC-18, BC-38, BC-36, BC-37, BC-10)		
	Construction compounds (S-3)		
	Pylon working areas associated with pylons 4AF95-4AF98)	2.4 km	
	Stringing area (associated with pylon 4AF98)		
	Bridge working areas (BC-09, BC-02, BC-14, BC-21)		
River Trent	Pylon working areas associated with pylons 4AF95 – 4AF98	2.2 km	1 in 200-year flood event with climate change allowance to 2071
	Stringing area (associated with pylon 4AF98)		
	Bridge working area (BC-09, BC-02, BC-14, BC-21)		
	Pylon working areas associated with pylons 4AF110-4AF112	5 km	
	Stringing areas (associated with pylon 4AF109)		
	Bridge working areas (BC-12, B-11)		

A.2.13 The likelihood of flooding to the areas listed in Table A.2 is considered to be very low during construction because of the high standard of protection provided by the defences. Albeit there is a residual risk of flooding associated with defence failure/breach.

Surface Water Flooding

A.2.14 The Order Limits cover land that is predominately relatively low lying, where land drainage is managed via drainage systems comprising networks of drainage ditches, underground drains and pumps/sluices which are operated by Internal Drainage Boards and landowners. This management regime is essential to the prevention of regular waterlogging, supporting land use for agricultural production.

A.2.15 Surface water flood risk has been quantified using the Environment Agency's Risk of Flooding from Surface Water mapping (Environment Agency, 2026). It identifies areas that may experience flooding during a high risk, medium risk or low risk event, where:

- High risk is equivalent to an annual chance of flooding 3.3% (1 in 30)
- Medium risk is equivalent to an annual chance of flooding between 1% and 3.3% (1 in 100 to 1 in 30)
- Low risk is equivalent to an annual chance of flooding between 1% (1 in 100) and 0.1% (1 in 1000)
- Very low risk is equivalent to annual chance of flooding less than 0.1% (1 in 1000)

A.2.16 The Risk of Flooding from Surface Water Map indicates surface water flood risk is variable within the Order Limits, as shown in **Application Document 6.11.F4 Environmental Statement Figure 11.4 Flood Risk Areas – Surface Water.** The flood map highlights areas that are vulnerable to surface water ponding due to localised topographical depressions. Most of the land within the Order Limits is shown to be at very low risk of surface water flooding but there are multiple areas at higher risk across the Order Limits.

A.2.17 A full appraisal of surface water flooding has been carried out in **Application Document 7.13 Flood Risk Assessment.** During construction of the Project some of the most vulnerable components to surface water flooding are the construction compounds, where materials and plant would be stored. Additionally, the construction compounds would house the welfare facilities and office spaces for construction personnel. Construction compounds were located such that there are no construction compounds at medium or high risk of surface water flooding. Further construction components which would be vulnerable to surface water flooding include the pylon working areas and bridge working areas.

A.2.18 A summary of construction components in areas at 'high' and 'medium' risk of surface water flooding is presented in Table A.3 below. Predicted flood depths are shown for the high-risk event only.

Table A.3 – Summary of construction components in areas at high and medium risk of surface water flooding.

Location reference (closest 4AF pylon)	Component of the Project	Flood depth in the high-risk event
4AF14	Working area	Less than 0.2 m
4AF30	Bellmouth (BM-009)	0.2 m – 0.3 m
4AF42 (existing 4ZQ73 pylon)	Bellmouth (BM-018)	Less than 0.2 m
4AF53	Working area	Less than 0.2 m
4AF54	Working area	0.2 m – 0.3 m
4AF56	Working area	Less than 0.2 m
4AF59	Working area	0.2 m – 0.3 m

Location reference (closest 4AF pylon)	Component of the Project	Flood depth in the high-risk event
4AF61	Working area	Less than 0.2 m
4AF63	Working area	Less than 0.2 m
4AF66	Working area	Less than 0.2 m
4AF70	Bellmouth (BM-037)	Less than 0.2 m*
4AF73	Working area	Less than 0.2 m
4AF75	Working area	Less than 0.2 m
4AF94	Working area	Less than 0.2 m
4AF97	Working area	Less than 0.2 m
4AF99	Working area	Less than 0.2 m
4AF113	Working area	Less than 0.2 m
4AF114	Working area	Less than 0.2 m
4AF120	Working area	Less than 0.2 m
4AF140	Working area	Less than 0.2 m
4AF143	Working area Bridge working area	Less than 0.2 m
4AF144	Working area	0.2m – 0.3 m
4AF145	Bellmouths (BM-075, BM-073, BM-077)	0.2m – 0.3 m
4AF149	Working area	0.2m – 0.3 m
4AF150	Working area	Less than 0.2 m
4AF154	Working area Bellmouth (BM-082)	0.3m – 0.6 m
4AF155	Working area	Less than 0.2 m
4AF168	Working area	Less than 0.2 m
4AF169	Working area	Less than 0.2 m
4AF172	Working area	Less than 0.2 m
4AF177	Working area Bellmouth (BM-096)	0.2m – 0.3 m
4AF181	Working area	0.2m – 0.3 m
4AF183	Working area	Less than 0.2 m
4AF185	Bridge working area (B-08)	0.3m – 0.6 m**

Location reference (closest 4AF pylon)	Component of the Project	Flood depth in the high-risk event
4AF187	Bellmouths (BM-097, BM098)	Less than 0.2 m
4AF191	Bellmouth (BM-099)	Less than 0.2 m
4AF194	Working area	0.2m – 0.3 m
4AF203	Working area	0.2m – 0.3 m
4AF212	Working area	0.2m – 0.3 m
4AF235	Bellmouths (BM-004, BM-023)	0.3 m – 0.6 m
4AF251	Working area	Less than 0.2 m
4AF256	Bellmouth (BM-054)	0.2m – 0.3 m
4AF258 and 4AF259	Working area	Less than 0.2 m

**drain crossed by a culvert*

***drain crossed by clear span bridge*

A.2.19 In addition to the pylon working areas, bridge working areas, and bellmouths, there would also be construction access tracks. These linear routes cross through multiple areas where there is a mapped risk of surface water flooding. While some areas correspond to drainage channels which would be crossed via suitably designed bridges or culverts, the construction access tracks pass through topographic low points which are shown to be at risk of surface water flooding. Areas where the construction access tracks interact with areas of medium and high risk of surface water flooding are detailed in **Application Document 7.13 Flood Risk Assessment.**

A.2.20 The construction access track would have suitable drainage provisions to reduce the likelihood of waterlogging and the Main Works Contractor(s) would have procedures in place for responding to surface water flooding in these locations. Several commitments to managing and mitigating surface water flood risk are described in **Application Document 7.3 Register of Environmental Actions and Commitments.** Key measures (summarised) include:

- W12: This secures that where construction activities take place within surface water flood zones, including statutory undertaker works, prior to works commencing appropriate site drainage will be put in place to reduce the risk of standing water and avoid substantial delays to the construction programme, as well as to prevent offsite increases in surface water flood risk.
- DE18: Temporary infrastructure such as construction compounds, lay down areas and access routes would be drained using Sustainable Drainage Systems (SuDS) techniques that are suitable for local ground conditions and topography. These areas will be reinstated after completion of the temporary works, as agreed with the landowner. Access roads and haul roads, as well as areas where impermeable material will be installed where heavy equipment would be used, will also have suitable drainage provisions via appropriate SuDS that will provide attenuation and treatment of runoff.
- W13: Where construction haul roads pass within or cross watercourses and/or their floodplains and key overland surface water flow routes, the haul road design

will include flood mitigation/drainage to allow for the flow of water within the floodplain during flood events up to and including the 1% Annual Exceedance Probability event (i.e., ducting). The design of the haul roads themselves will include some resilience to flooding for example, incorporating suitable geo-textiles to stabilise the road surfacing, as well as allowing water to flow within the floodplain. Suitable materials would be used to surface the haul roads. In some cases, bespoke construction methodologies may be used based on site constraints and ground conditions.

A.3 Flood Warning and Evacuation Plan Overview

Aim and Objectives

A.3.1 The key aim of a FWEP is to provide construction Site Manager(s) and on-site personnel with clear information on the triggers and actions to take should a flood event occur during construction of a Project, including confirming when a work site should be evacuated. A FWEP also provides key information for planning an evacuation.

Evacuation Triggers

A.3.2 Two types of triggers have been used to inform this Outline FWEP as follows:

- Environment Agency Flood Warnings; and
- Met Office weather warning;

A.3.3 Further information on the different triggers is provided in section A.7.

Plan Structure

A.3.4 This Outline FWEP is broken down into the following sections:

- Section A.4 – Outlines the key ‘pre-occupation’ actions that the Site Managers must complete to implement the Outline FWEP;
- Section A.5 – provides details of key contacts and information;
- Section A.6 – Outlines the Environment Agency Flood Warning Service and the Met Office Weather Warning system;
- Section A.7 and A.8 – Outlines the Outline FWEP triggers and procedures for fluvial, tidal and surface water flooding;
- Section A.9 – Outlines the actions needed when returning to an area after a flood event;
- Section A.10 – Summarises the training requirements to support the implementation of the FWEP;
- Section A.11 – Confirms the requirements for updating and reviewing the Outline FWEP; and
- Section A.12 – Provides a list of sources of additional information for use in updating and reviewing the Outline FWEP.

A.4 Pre-occupation Actions

Pre-occupation Actions

A.4.1 Prior to occupation of construction work sites within areas at high risk of surface water, fluvial or tidal flooding, it shall be the responsibility of National Grid to ensure that the Main Works Contractor(s) completes all actions outlined in Table A.4.

Table A.4 – Pre-occupation Actions

No.	Action	Further information	Completion date and signature
1	Undertake a review of the full FWEP (which would be produced prior to construction) and make updates to take into account new or additional information.		
2	Register the construction works sites with the Environment Agency flood warnings service.	Flood warnings can be signed up to via the following routes: Environment Agency Website: Get flood warnings by text, phone or email - GOV.UK Telephone: 0345 988 1188 Textphone: 0345 602 6340 X Alerts: https://x.com/envagency	
3	Ensure construction site personnel are aware of the FWEP and are trained sufficiently to implement the procedures.		
4	Establish appropriate designated evacuation routes and muster sites in areas at low risk of flooding.	The muster sites should be located on public land and evacuation routes for light vehicles and pedestrians should be established and detailed with the full FWEP.	

A.5 Key Contacts and Information

Flood Warning and Evacuation Plan

A.5.1 Table A.5 will be populated within the full FWEP by the Main Works Contractor(s) once the contact numbers for key personnel and agencies that have key roles in enacting the FWEP are known. This table will be completed by the Main Works Contractor(s) prior to commencement of development.

Table A.5 – Key personnel and their contact numbers

Key personnel	Name	Role	Contact number
Site Manager(s)		The Site Manager's role is to ensure all the Pre-occupation Actions have been completed, as well as to ensure the FWEP is reviewed and updated as necessary during the construction period, as well as after any flood event.	
Construction Personnel		Undertake training to understand the FWEP and the flood evacuation process.	

Emergency Services

A.5.2 Table A.6 provides contact numbers for the emergency services and Table A.7 contact details for local hospitals.

A.5.3 In an emergency where there is a real and immediate threat to life or property always dial 999.

Table A.6 – Contact details for emergency services

Organisation	Contact
Humberside Fire and Rescue Lincolnshire Fire and Rescue Nottinghamshire Fire and Rescue	01482 565333 01522 555777 01158 388100
Non-Emergency Police	101
Environment Agency (Floodline)	Telephone: 0345 988 1188 Textphone: 0345 602 6340 River flooding: 0800 80 70 60

Table A.7 – Contact details for local hospitals

Hospital	Location	Contact
Hull Hospital	Anlaby Road, Hull, HU3 2JZ	01482 875875
Goole & District	Woodland Avenue, Goole, DN14 6RX	01405 720720
Scunthorpe Hospital	Cliff Gardens, Scunthorpe, DN15 7BH	01724 282282
Gainsborough Urgent Treatment Centre / John Coupland Hospital	Ropery Road, Gainsborough, DN21 2TJ	01427 816500

Hospital	Location	Contact
Retford Hospital	North Road, Retford, DN22 7XF	01777 274400
Lincoln County Hospital	Greetwell Road, Lincoln, LN2 5QY	01522 512512

A.5.4 This is not an exhaustive list and should be reviewed based on each individual work site.

Other Useful Numbers

A.5.5 Table A.8 will be completed within the full FWEP prior to commencement of construction and periodically reviewed by the Site Manager(s).

Table A.8 – Other useful contact numbers

Organisation	Name	Contact number
Electricity Provider(s)		
Gas Provider(s)		
Water Companies		
Telephone Provider(s)		
Local Councils		
Environmental / Pollution Emergency Response Contractor		

Insurance Details

A.5.6 Table A.9 will be populated in the full FWEP with details of the insurer(s) of the site. This table will be completed prior to commencement of construction and updated as necessary by the Site Manager(s).

Table A.9 – Insurance Details

Insurance company	Policy number	Contact number

A.6 Flood Warnings

Environment Agency Flood Warning Service

A.6.1 The Environment Agency has four levels of flood warning and has recommendations based on each level (Environment Agency, 2026). These are outlined in Table A.10. Each of the construction worksites located in an area at high risk of fluvial or coastal flooding will be linked to the Environment Agency flood warning services so that when a flood alert or warning is issued, the service will send an automated warning message to the Site Manager(s).

A.6.2 Upon receipt of an Environment Agency flood alert notification, the Site Manager(s) shall notify on-site personnel and complete a review to ensure that the site is in a state of readiness ahead of a potential flood situation.

Table A.10 – Environment Agency Flood Warning Service

Symbol	Risk	What it means	When it is used	Impact on the ground	What to do
	High risk	Severe Flood Warning Severe flooding Danger to life	30 minutes to two hours in advance of flooding.	Deep and fast flowing water. Debris in water causing danger. Potential or observed collapse of buildings and structures. Communities isolated by flood waters. Critical infrastructure for communities disabled. Large number of evacuees. Military support.	Stay in a safe place with a means of escape. Be ready should you need to evacuate from site. Co-operate with the emergency services. Call 999 if you are in immediate danger. Call Floodline for up-to-date flooding information.
	Medium risk	Flood Warning Flooding is expected. Immediate action required.		Flooding of homes and businesses. Flooding of rail infrastructure. Flooding of roads with major impacts. Significant waves and spray on the coast. Extensive floodplain inundation (including caravan parks or campsites). Flooding of major tourist/recreational attractions.	Protect yourself and help others. Put flood protection equipment in place. If you are caught in a flash flood, get to higher ground. Turn off gas, electricity and water if safe. Call Floodline on 0345 988 1188 for up-to-date information.
	Low risk	Flood Alert Flooding is possible. Be prepared.		Flooding of fields, recreational land and car parks. Flooding of minor roads. Flooding of farmland. Spray or wave overtopping on the coast	Be prepared to act on your flood plan. Prepare a flood kit of essential items such as insurance documents and medications. Avoid walking, cycling or driving through flood water. Call Floodline on 0345 988 1188 for up-to-date flooding information. Monitor local water levels on the Environment Agency website www.environment-agency.gov.uk.
Warning no longer in force	Very low risk	Warnings no longer in force No further flooding is currently expected in your area.		No new impacts expected from flooding, however, there may still be standing water following flooding, flooded properties and / or damaged infrastructure.	Be careful. Flood water may still be around for several days and could be contaminated. If you've been flooded, ring your insurance company as soon as possible.

Met Office Weather Warning System

A.6.3 The Met Office issues weather warnings through the National Severe Weather Warning Service (Met Office, 2026). The warnings are given a colour (yellow, amber or red) depending on a combination of both the impact and the likelihood of the impacts occurring, illustrated in Table A.11.

A.6.4 Upon receipt of a Met Office Weather Warning the Site Manager(s) shall notify on-site personnel of the alert and complete a review to ensure that the site is in a state of readiness ahead of a potential flood situation.

Table A.11 – Met Office weather warning system

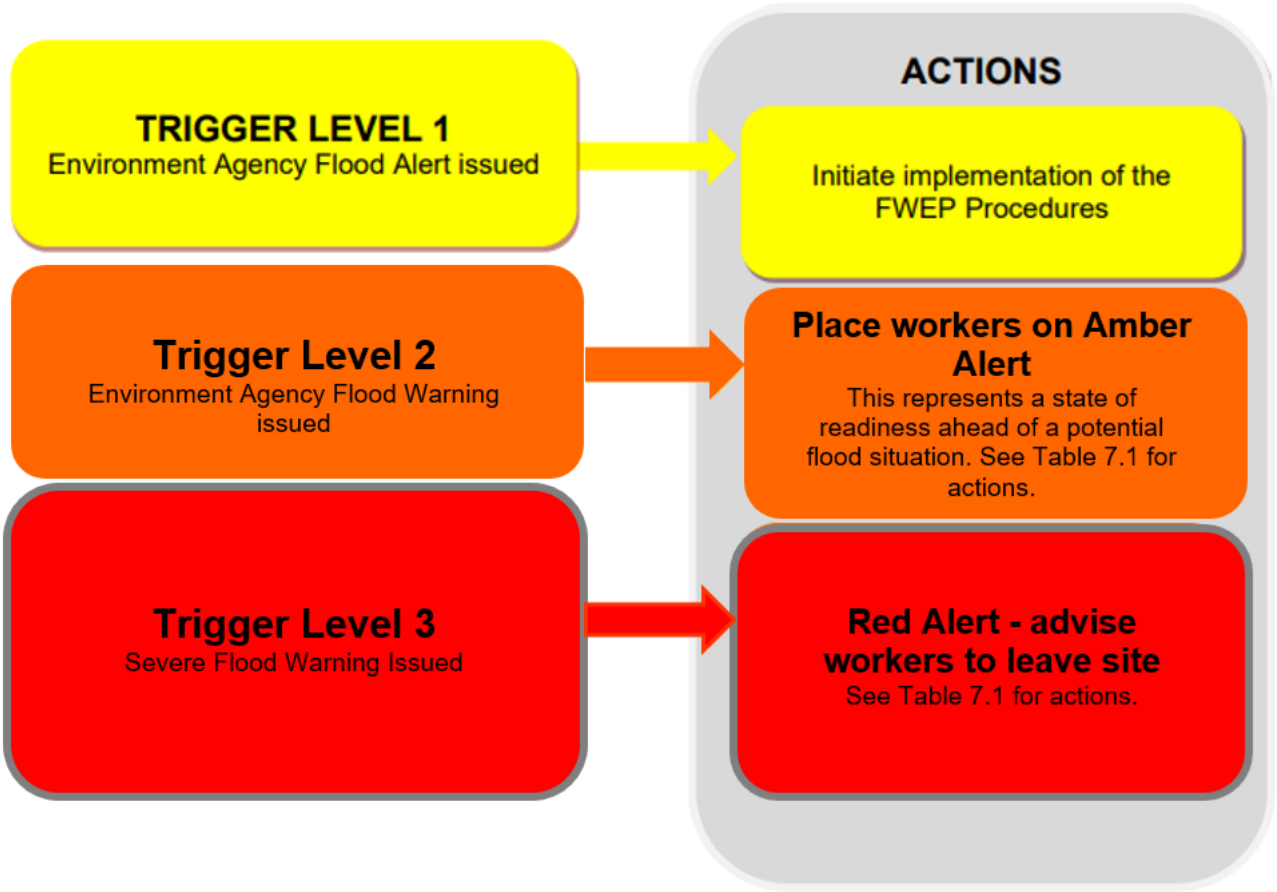
Symbol	Risk	What it means and when it is used	What to do
Red 	High Risk	Dangerous weather is expected. It is very likely that there would be a risk to life, with substantial disruption to travel, energy supplies and possibly widespread damage to property and infrastructure.	Stay in a safe place with a means of escape. Be ready should you need to evacuate from site. Co-operate with the emergency services. Call 999 if you are in immediate danger. Call Floodline on 0345 988 1188 for up-to-date flooding information.
Amber 	Medium Risk	There is an increased likelihood of impacts from severe weather, with the possibility of travel delays, road and rail closures, power cuts and the potential risk to life and property.	Protect yourself and help others. Put flood protection equipment in place. If you are caught in a flash flood, get to higher ground. Turn off gas, electricity and water if safe. Call Floodline on 0345 988 1188 for up-to-date flooding information.
Yellow	Low Risk	It is likely that the weather will cause some low-level impacts, including some disruption to travel in a few places	Be prepared to act on your flood plan. Prepare a flood kit of essential items including torches, bottled water supply, radio with batteries / wind up radio, first aid kit, list of useful contacts and a copy of the FWEP. Avoid walking, cycling or driving through flood water. Call Floodline on 0345 988 1188 for up-to-date flooding information.

A.7 Flood Evacuation Plan – Fluvial and Coastal Flooding

Trigger Levels

A.7.1 An overview of the FWEP procedures is shown in Image A.1. This image shows trigger levels and corresponding actions that will need to be implemented for all construction work sites that are located in areas at high risk of flooding.

Image A.1 – Summary of FWEP procedures linked with Environment Agency warnings



Flood Warning and Evacuation Procedures

A.7.2 The flood evacuation procedures for fluvial and coastal flooding, to be followed and implemented by the Main Works Contractor(s), are outlined in Table A.12.

Table A.12 – Flood evacuation procedures

Level	Warning / Trigger	Procedures
1	Environment Agency Flood Alert	Initiate implementation of FWEP Procedures.
2	Environment Agency Flood Warning	Place workers on Amber Alert, representing a state of readiness ahead of a potential flood situation. Monitor local news broadcasts for reported flooding within the local county. Disseminate flood warning information to on-site personnel. Check that all equipment can be accessed, is available and in good condition for use, with specific reference to: • Torches (check battery life/ spares) • High visibility jackets for all staff • Signage to evacuation points. Check on-site registers are complete and available to ensure all workers are accounted for, post-evacuation, should evacuation be required. Allow for handover, should shift change occur before the warning is lowered.
3	Environment Agency Severe Flood Warning	Remove any mobile equipment off site and secure any non-mobile plant equipment like heavy machinery and move/secure/cover any stockpiles to reduce the risk of blockages further downstream or general water pollution. Immediately notify workers to take the safest route to leave site in accordance with pre-defined and advertised evacuation routes. Deploy trained marshals to direct an orderly evacuation of the work site.

Evacuation Route and Designation Evacuation Point

A.7.3 If a Trigger Level stage 3 is met, evacuation of work sites and/or compounds are required. Efficient evacuation routes, suitable for light vehicles and pedestrians, should be established to allow on site personnel to reach muster points in areas at low risk of flooding. Evacuation routes and muster sites should be defined by the Main Works Contractor(s) and included within the full FWEP. If the muster point is on private land, it would be the responsibility of the Main Works Contractor(s) to communicate with the landowner regarding access and to provide any further details in terms of landowner requirements or alternative evacuation arrangements within the full FWEP.

A.7.4 When an evacuation route contains water, the following should be considered before and during evacuation:

- Never attempt an evacuation towards the surrounding roads during a flood event, unless specifically instructed to do so by emergency services, as the depth of water there could be higher;
- Never walk or swim through any flowing water as currents can be deceptive. It is possible to get swept away or struck by an object in water;
- Avoid contact with floodwater wherever possible. It may be contaminated with sewage, oil, chemicals or other substances; and
- If walking through floodwater is a must, it is recommended to try and assess the ground ahead using a pole or stick to ensure that there is no hidden deep water.

A.7.5 Note that evacuation routes may be subject to road closures and other impacts, for example surface water flooding, that could mean a different route is more efficient.

Water Level Falling

A.7.6 Flood Warnings identify a 'potential' rather than 'actual' threat. Not all events will result in an automatic progression from one warning to another with the end result being flooding and evacuation of the site. It is possible for smaller events to trigger initial warnings with water levels subsequently falling before flooding occurs.

A.7.7 Should water levels within the flood warning area exhibit a sustained fall at any point during the event, this will be identified by the Environment Agency via their river level monitors and an automatic sent to the Site Manager(s) via phone and email.

A.8 Flood Evacuation Plan – Surface Water Flooding

Flood Warning and Evacuation Procedures

A.8.1 The Site Manager(s) shall monitor the five-day weather forecast as well as the Met Office weather warnings. On receipt of a warning and/or when there is a forecast for heavy / prolonged rainfall, the necessary procedures for worksites in areas known to be at risk of this form of flooding should be enacted.

A.8.2 The procedures include:

- Moving mobile equipment, fuels, oils, liquids and hazardous materials to areas outside of high-risk zones;
- Securing and protecting static equipment that cannot be taken outside of high-risk zones;
- Move/secure/cover any stockpiles to reduce the risk of blockages further downstream or general water pollution; and
- On-site personnel to leave high risk zones and generally move to higher ground.

A.9 Post Flood Event Actions

A.9.1 Post flood event actions include determining when it is deemed safe to return to site. This will need to be signed off by the Site Manager. There may be environmental

hazards, loss of utilities and other issues which need to be rectified before people are allowed back onto site premises, so the Site Manager(s) needs to consider a range of measures in development of a 'recovery plan'.

A.9.2 Any inspections or cleanup required should be done while observing the requirements of any contingency plans. The Site Manager should also contact the site's insurance company if structures or belongings are damaged. Evidence of damage should be photographed, and the advice of the insurer should be considered to avoid any claim issues.

A.9.3 During the post event site inspection and cleanup, if flooding has occurred, personnel should be vigilant of hidden dangers e.g. damage to sources of electricity or displaced / unstable earthworks.

A.10 Training

A.10.1 The Site Manager(s) shall ensure that all on-site personnel, where relevant, are aware of the potential flood risks in each specific worksite and have been trained in how to respond to this risk. The training shall, as a minimum, cover:

- Requirements of the FWEP;
- Confirmation of key roles within the full FWEP, clearly identifying positions held, responsibilities, communication channels and chain of command;
- Duties in the event of a flood warning being issued;
- Evacuation routes and muster locations; and
- Location and operation of the electrical system emergency shut off.

A.10.2 Evacuation routes will be displayed at relevant locations across the construction sites.

A.10.3 All managers shall be re-trained periodically, and all traffic marshals shall participate in evacuation route reviews to confirm safe systems for evacuating traffic from the site. All training completed shall be documented and recorded. Staff should also be made aware of any updates to the FWEP through appropriate staff briefings.

A.11 Flood Warning and Evacuation Plan Review

A.11.1 The FWEP shall be subject to update / review:

- Whenever there are changes to any of the contact numbers, names or roles held within the FWEP;
- After a flood event, to confirm all information is still relevant; and
- Following any change to the flood risk or warning process.

A.11.2 All updates / reviews shall be documented and recorded, and Site Manager(s) shall ensure an up-to-date version of the FWEP is available at all times.

A.11.3 When the FWEP is updated, Table A.13 should be completed for document control purposes and to understand why changes were needed.

Table A.13 – FWEP review and update document control

Version	Date	Prepared by	Checked by	Approved by	Reasons for revision

A.12 Sources of Additional Information

A.12.1 Table A.14 provides a list of additional sources of information that may be useful when reviewing and updating the FWEP.

Table A.14 – Additional sources of information

Names	Contact Number	Website Link
Arcadis Consulting (UK) Limited	029 2092 6700	https://www.arcadis.com/en
Environment Agency	03708 506 506	https://www.gov.uk/government/organisations/environment-agency

A.13 Implementation

A.13.1 National Grid will put in place robust procedures to inform and supervise all those working on the Project including its Main Works Contractor(s), to make sure the control measures set out in the FWEP (to be fully developed by the Main Works Contractor(s)) are adopted when undertaking the construction of the Project. The main responsibility for implementing these control measures will fall to the Main Works Contractor(s).

A.13.2 The Main Works Contractor(s) will brief all operatives on the specific details within the FWEP prior to commencement of works. The briefings will be delivered by a suitably trained member of the team such as the Environment Manager or Works Supervisor.

References

Environment Agency. (2026). *Flood Warning Service*. Retrieved May 29, 2026, from https://www.gov.uk/get-flood-warnings

Environment Agency. (2026). *Risk of Flooding from Surface Water*. Retrieved May 29, 2026, from https://www.data.gov.uk/dataset/0d6fa1f4-0c82-4c91-8667-a549e8e3ca2d/risk-of-flooding-from-surface-water3

Met Office. (2026). *UK Weather Warnings*. Retrieved May 29, 2026, from

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