

Great North Road Solar and Biodiversity Park

Commitments Register

Document reference – EN010162/APP/7.1

Revision number 1

June 2025

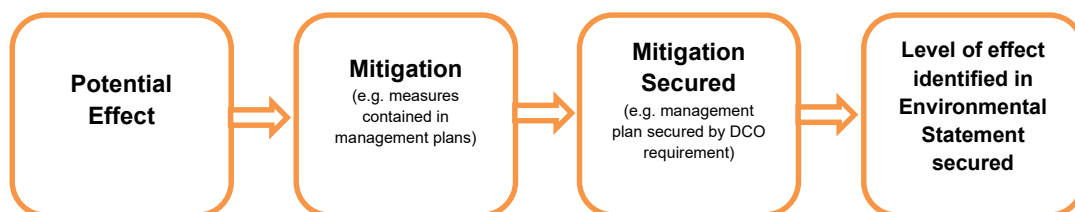
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, APFP Regulation 5(2)(q)

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1 INTRODUCTION

- 1 Great North Road Solar and Biodiversity Park (the Development) is a proposed solar photovoltaic (PV) electricity generating facility and electrical storage facility with a total capacity exceeding 50 megawatts (MW) and an export connection to the National Grid.
- 2 This Commitments Register summarises the mitigation measures identified within the ES and sets out how they will be secured.
- 3 This Commitments Register demonstrates that the proposed mitigation measures referred to in the ES will be implemented and the Development will therefore lead to, at worst, the effects assessed in the ES. The logical interpretation of this is shown in the figure below in respect of the ES.



2 POTENTIAL EFFECTS

- 4 The ES assesses the potential effects of the Development, with the Development being defined by ES Chapter 5, Development Description, [EN010162/APP/6.2.5] and embedded measures, which comprise the measures set out in the following ES Technical Appendices (TAs):
 - TA A5.1, Outline Landscape and Ecological Management Plan (LEMP) [EN010162/APP/6.4.5.1];
 - TA A5.2, Outline Construction Traffic Management Plan (CTMP) [EN010162/APP/6.4.5.2];
 - TA A5.3, Outline Construction Environment Management Plan (CEMP) [EN010162/APP/6.4.5.3];
 - TA A5.4, Outline Fire Safety Management Plan (FSMP) [EN010162/APP/6.4.5.4];
 - TA A5.5, Outline Operation Environmental Management Plan (OEMP) [EN010162/APP/6.4.5.5];
 - TA A5.6, Outline Decommissioning and Restoration Plan (DRP) [EN010162/APP/6.4.5.6];
 - TA A9.1, Flood Risk Assessment (FRA) [EN010162/APP/6.4.9.1] (including outline drainage measures);
 - TA A13.2, Outline Skills, Supply Chain and Employment Plan (SSCEP) [EN010162/APP/6.4.13.2];
 - TA A14.2, Outline Travel Plan [EN010162/APP/6.4.14.2];
 - TA A17.2, Outline Soil Management Plan (SMP) [EN010162/APP/6.4.17.2]; and
 - TA A18.1, Outline Recreational Routes Management Plan (RRMP) [EN010162/APP/6.4.18.1].

- 5 The Outline CEMP includes, either explicitly or implicitly, the following plans that for some projects are referred to, or produced, separately:
 - Site Waste Management Plan (SWMP);
 - Construction Ecological Management Plan (CEcMP);
 - Construction Noise Management Plan (CNMP);
 - Pollution Prevention Plan (PPP); and
 - Incident Plan.
- 6 The Outline OEMP includes, either explicitly or implicitly, the following plans that for some projects are referred to, or produced, separately:
 - Environmental Emergency Response Plan (EERP); and
 - Management and Mitigation Plan (MMP).
- 7 The Outline DRP includes, either explicitly or implicitly, provision for the following plans that for some projects are referred to, or produced, separately:
 - Decommissioning Traffic Management Plan (DTMP);
 - Decommissioning Environmental Management Plan (DEMP), including a:
 - Decommissioning Noise Management Plan (DNMP);
 - Decommissioning Site Waste Management Plan (DSWMP);
 - Decommissioning Construction Ecological Management Plan (DEcMP);
 - Decommissioning Pollution Prevention Plan (PPP); and
 - Decommissioning Incident Response Plan (DIRP).
- 8 As a result, potential effects that may arise in the absence of these embedded measures are not assessed. There is, therefore, a requirement for the Development to proceed with the embedded measures in place for the potential effects to be as assessed in the ES.

3 MITIGATION MEASURES

- 9 This Commitments Register includes all mitigation to which the Applicant is committed in the ES, including both specific mitigation measures and embedded mitigation measures (where these are not part of the inherent design shown on plans, such as the potential location of solar PV modules). It also includes all mitigation, whether to mitigate significant effects or not-significant effects.
- 10 Monitoring is only included in this summary if the monitoring is already described in a secured mitigation measure and if mitigation actions rely on the findings of such monitoring. Monitoring is proposed in respect of certain aspects of the Development and any monitoring will be undertaken in accordance with the monitoring provisions of various construction and operational management plans to be approved by the relevant authorities according to the Requirements of the DCO.
- 11 This Commitments Register (in section 4) includes cross references to the DCO, identifying where the mitigation (including both specific mitigation measures and embedded mitigation measures) is secured by Requirement.

- 12 The Applicant will ensure that the mitigation is delivered by making it a contractual requirement in the contract between the Applicant and the Principal Contractor (during construction) and/or the Asset Management contractor (during operation). In some cases the Applicant will engage a qualified and experienced consultant to deliver the mitigation.

4 COMMITMENTS REGISTER

Commitment Reference	Commitment Source Reference	Commitment	Project Phase	Purpose	Commitment Securing Mechanism	Delivery	Associated Supporting Information
5.1	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.5.2	Provision of a Landscape and Ecological Management Plan	Construction and operation	To set out the measures that are required to deliver key elements of mitigation relating to the management of habitats	DCO Schedule 2, Requirement 8	Provided for each phase, pre-commencement of that phase	TA A5.1 Outline Landscape and Ecology Management Plan [EN010162/APP/6.4.5.1]
5.2	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.5.3	Provision of a Construction Traffic Management Plan	Construction	To set out measures for the management of construction vehicle movements to and from the sites within the Development, including a Travel Plan, to ensure that the effect of the construction phase of the Development on the local highway network is managed and minimised	DCO Schedule 2, Requirement 14	Provided for each phase, pre-commencement of that phase	TA A5.2 Outline Construction Traffic Management Plan [EN010162/APP/6.4.5.2] and TA A14.2, Outline Travel Plan [EN010162/APP/6.4.14.2]
5.3	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.5.4	Provision of a Construction Environmental Management Plan	Construction	To set out the measures that are required to protect environmental resources during the construction phase	DCO Schedule 2, Requirement 12	Provided for each phase, pre-commencement of that phase	TA A5.3 Outline Construction Environmental Management Plan [EN010162/APP/6.4.5.3]
5.4	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.4.2.5	Provision of a Fire Safety Management Plan	Operation	To set out the measures required to minimise the risk of, and consequences from, a battery fire	DCO Schedule 2, Requirement 7	Pre-commencement of any part of a Battery Energy Storage System (BESS)	TA A5.4 Outline Fire Safety Management Plan [EN010162/APP/6.4.5.4]
5.5	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.6.2	Provision of an Operation Environmental Management Plan	Operation	To ensure operation takes place in accordance with an approved plan, to minimise environmental effects	DCO Schedule 2, Requirement 13	Provided for each phase, prior to commissioning of that phase	TA A5.5 Outline Operation Environmental Management Plan [EN010162/APP/6.4.5.5]
5.6	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.7	Provision of a Decommissioning and Restoration Plan	Decommissioning	To ensure decommissioning and restoration takes place in accordance with an approved plan, to	DCO Schedule 2, Requirement 19	Not less than 6 months before the commencement of decommissioning of any phase	TA A5.6 Outline Decommissioning and Restoration Plan [EN010162/APP/6.4.5.6]

Commitment Reference	Commitment Source Reference	Commitment	Project Phase	Purpose	Commitment Securing Mechanism	Delivery	Associated Supporting Information
				minimise environmental effects.			
5.7	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.3.1	Defining the detailed design	Construction	To limit the final detailed design to the parameter ranges set out for assessment purposes, thereby limiting the environmental effects to be no worse than as assessed in the ES	DCO Schedule 2, Requirement 6 and 9	Provided for each phase, pre-commencement of that phase	Chapter 5 of the ES [EN010162/APP/6.2.5], in particular sections 5.4.2 and 5.4.3 Concept Design Parameters and Principles document [EN010162/APP/7.14]
5.8	Chapter 5, Development Description, [EN010162/APP/6.2.5] section 5.6.1	Limit the operation phase to 40 years from the date of first full operation (when maximum electrical export is achieved) or 3 years from when electricity is first exported, whichever is earlier	Operation	To limit the operational lifetime of the Development	DCO Schedule 2, Requirement 19	The Development will not be operated beyond the specified date	Chapter 5 of the ES [EN010162/APP/6.2.5], in particular section 5.6.1
7.1	Chapter 7, Landscape and Visual, [EN010162/APP/6.2.7] section 7.6.4, embedded mitigation	All captured by commitments 5.5 (detailed design), 5.1 (LEMP) and 18.2 (permissive paths and other recreation enhancement)	n/a	n/a	n/a	n/a	n/a
8.1	Chapter 8, Ecology and Biodiversity, [EN010162/APP/6.2.8] section 8.6, embedded mitigation	All captured by commitments 5.1 (LEMP), 5.3 (CEMP), 5.7 (detailed design), 5.5 (OEMP) and 5.6 (DRP)	n/a	n/a	n/a	n/a	n/a
9.1	TA A9.1, Flood Risk Assessment, [EN010162/APP/6.4.9.1] sections A9.1.3 to A9.1.6	Provision of a Surface Water Drainage Strategy and provision of grassland sward in areas underneath the PV arrays before the construction phase.	Construction and operation	To ensure that a suitable grassland sward is developed in areas underneath the PV arrays before the construction phase, and that drainage from the BESS area does not lead to run-off exceeding greenfield rates and minimises risk of contamination of soils.	DCO Schedule 2, Requirement 10. Maintenance of these features is captured by commitments 5.1 (LEMP) and 5.5 (OEMP).	Provided for each phase, pre-commencement of that phase	TA A9.1, Flood Risk Assessment, [EN010162/APP/6.4.9.1] sections A9.1.3 to A9.1.6

Commitment Reference	Commitment Source Reference	Commitment	Project Phase	Purpose	Commitment Securing Mechanism	Delivery	Associated Supporting Information
				To ensure a detailed design of drainage features around built infrastructure to reduce run-off rates to greenfield levels or less.			
9.2	Chapter 9, Water Resources, [EN010162/APP/6.2.9] section 9.6, embedded mitigation	All captured by commitments 5.2 (CTMP), 5.3 (CEMP), 5.5 (OEMP) and 5.7 (detailed design)	n/a	n/a	n/a	n/a	n/a
10.1	Chapter 10, Ground Conditions and Land Contamination, [EN010162/APP/6.2.10] section 10.6.2	Provision of a written strategy in relation to the identification and remediation of any risks associated with contamination	Construction	To set out measures construction workers will take to minimise risk from contamination. To set out the ground investigation and geotechnical testing that will take place, primarily for confirmation on foundation design parameters, and any required remediation strategy.	DCO Schedule 2, Requirement 12 (CEMP) and DCO Schedule 2, Requirement 16 (Ground Conditions)	Provided for each phase, pre-commencement of that phase	Chapter 10, Ground Conditions and Land Contamination, [EN010162/APP/6.2.10] section 10.6.2, and TAs A10.1-A10.8 (Desk Top Studies and Preliminary Risk Assessments) [EN010162/APP/6.4.10.1-8]
11.1	Chapter 11, Cultural Heritage and Archaeology, [EN010162/APP/6.2.11] section 11.7	Embedded mitigation all captured by commitments 5.1 (LEMP) and 5.7 (detailed design)	n/a	n/a	n/a	n/a	n/a
11.2	Chapter 11, Cultural Heritage and Archaeology, [EN010162/APP/6.2.11] section 11.9.1.1	Provision of an archaeological mitigation strategy	Construction	To set out measures to be employed during construction to minimise effects on buried archaeology	DCO Schedule 2, Requirement 11	Provided for each phase, pre-commencement of that phase	Chapter 11, Cultural Heritage and Archaeology, [EN010162/APP/6.2.11] section 11.9.1.1 and TA A11.8, Outline Archaeological Mitigation Strategy [EN010162/APP/6.4.11.8]
12.1	Chapter 12, Noise and Vibration, [EN010162/APP/6.2.12] section 12.6.1	Provision of a construction/ decommissioning noise management plan.	n/a	n/a	n/a	n/a	n/a

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		Captured by commitments 5.3 (CEMP) / 5.6 (DRP)					
12.2	Chapter 12, Noise and Vibration, [EN010162/APP/6.2.12] section 12.6.2	Provision of an operation noise management plan.	Operation	To ensure the operational noise rating levels as set out in the environmental statement are complied with	DCO Schedule 2, Requirement 15	Provided for each phase, pre-commencement of that phase	Chapter 12, Noise and Vibration, [EN010162/APP/6.2.12] section 12.4.7
12.3	Chapter 12, Noise and Vibration, [EN010162/APP/6.2.12] section 12.2	Construction traffic vibration will be minimised through ensuring the delivery route is maintained. Captured by commitment 5.2 (CTMP).	n/a	n/a	n/a	n/a	n/a
13.1	Chapter 13, Socioeconomics and Tourism, [EN010162/APP/6.2.13] section 13.6.2 and 13.8.8	Provision of a Skills, Supply Chain and Employment Plan	Construction and operation	To ensure the benefits associated with the Outline Skills, Supply Chain and Employment Plan are realised	DCO Schedule 2, Requirement 17	Provided for each phase, pre-commencement of that phase	TA A13.2, Outline Skills, Supply Chain and Employment Plan [EN010162/APP/6.4.13.2]
13.2	Chapter 13, Socioeconomics and Tourism, [EN010162/APP/6.2.13] section 13.6.2	Embedded mitigation – advertising road closures and maintaining pedestrian access. Captured by commitment 5.2 (CTMP).	n/a	n/a	n/a	n/a	n/a
13.3	Chapter 13, Socioeconomics and Tourism, [EN010162/APP/6.2.13] section 13.6.2	Embedded mitigation – recreation enhancement measures. Captured by commitment 18.2 (Recreational Routes Management Plan)	n/a	n/a	n/a	n/a	n/a
14.1	Chapter 14, Traffic and Transport, [EN010162/APP/6.2.14] section 14.6.5	Embedded mitigation – construction traffic management. Captured by commitment 5.2 (CTMP). Embedded mitigation – access tracks. Captured by commitment 5.7. Embedded mitigation – permissive routes. Captured by commitments	n/a	n/a	n/a	n/a	n/a

Commitment Reference	Commitment Source Reference	Commitment	Project Phase	Purpose	Commitment Securing Mechanism	Delivery	Associated Supporting Information
		18.2 and 18.3 (permissive paths and RRMP)					
14.2	Chapter 14, Traffic and Transport, [EN010162/APP/6.2.14] section 14.6.5	Provision of a Travel Plan for the construction phase. This is required as part of the CTMP, so is captured by commitment 5.2.	n/a	n/a	n/a	n/a	n/a
14.3	Chapter 14, Traffic and Transport, [EN010162/APP/6.2.14] section 14.8.3	Provision of a Decommissioning Traffic Management Plan. Captured by commitment 5.6 (DRP).	n/a	n/a	n/a	n/a	n/a
15.1	Chapter 15, Climate Change, [EN010162/APP/6.2.15] section 15.4.2	To ensure PV mounting poles are installed to meet requirements following push-pull testing	Operation	To ensure the solar PV modules and their mounting pole structures do not get uprooted by strong winds	DCO Schedule 2, Requirement 6	Provided for each phase, pre-commencement of that phase	Chapter 15, Climate Change, [EN010162/APP/6.2.15] Table 15.9. Concept Design Parameters and Principles document [EN010162/APP/7.14]
15.2	Chapter 15, Climate Change, [EN010162/APP/6.2.15] section 15.4.2	To ensure provision of an FSMP that accounts for ambient temperatures higher than the present day. Captured by commitment 5.4 (FSMP).	n/a	n/a	n/a	n/a	n/a
16.1	Chapter 16, Miscellaneous Issues, [EN010162/APP/6.2.16] section 16.3.	Provision of a glint and glare mitigation scheme.	Operation	To ensure glint and glare effects are below the assessment criteria at all sensitive receptors.	DCO Schedule 2, Requirement 22	Assessment at detailed design stage and implementation during construction and operation	TA A16.1, Glint and Glare, [EN010162/APP/6.4.16.1] sections A16.1.4.2 and A16.1.8.1
16.2	Chapter 16, Miscellaneous Issues, [EN010162/APP/6.2.16] section 16.2.6	Dust and vehicle/plant emissions to air controls. Captured in commitments 5.3 (CEMP) and 5.6 (DRP)	n/a	n/a	n/a	n/a	n/a
16.3	Chapter 16, Miscellaneous Issues, [EN010162/APP/6.2.16] section 16.5.1	Battery safety. Captured in commitment 5.4 (FSMP)	n/a	n/a	n/a	n/a	n/a
16.4	Chapter 16, Miscellaneous Issues, [EN010162/APP/6.2.16] section 16.7	Waste management. Captured in commitments 5.3 (CEMP), 5.5 (OEMP) and 5.6 (DRP)	n/a	n/a	n/a	n/a	n/a

Commitment Reference	Commitment Source Reference	Commitment	Project Phase	Purpose	Commitment Securing Mechanism	Delivery	Associated Supporting Information
17.1	Chapter 17, Agricultural Land, [EN010162/APP/6.2.17] section 17.6	Provision of a Soil Management Plan	Construction, operation and decommissioning	To minimise the effects on soils and land quality	DCO Schedule 2, Requirement 20	Construction, operation and decommissioning	TA A17.2, Outline Soil Management Plan [EN010162/APP/6.4.17.2]
18.1	Chapter 18, Recreation, [EN010162/APP/6.2.18] section 18.6	Woodland, hedgerow and tree planting. Captured in commitment 5.1 (LEMP)	n/a	n/a	n/a	n/a	n/a
18.2	Chapter 18, Recreation, [EN010162/APP/6.2.18] section 18.6 and 18.9.1	Provision of a Recreational Routes Management Plan (RRMP)	Construction and operation	To ensure that an approved plan is in place for the diversion of public rights of way, and creation and management of permissive routes, to minimise effects on recreational amenity	DCO Schedule 2, Requirement 18	Provided for each phase, pre-commencement of that phase	Chapter 18, Recreation, [EN010162/APP/6.2.18] section 18.6 and 18.9.1. TA A18.1, Outline Recreational Routes Management Plan [EN010162/APP/6.4.18.1]