



CLEVE HILL SOLAR PARK

UPDATES TO EXISTING DOCUMENTS MITIGATION SCHEDULE

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CLEVE HILL
SOLAR PARK

1 SUMMARY AND INTRODUCTION

1. Cleve Hill Solar Park is a proposed solar photovoltaic (PV) array electricity generating facility and electrical storage facility, each with a total capacity exceeding 50 megawatts (MW), and an export connection to the National Grid (the Development).
2. An Environmental Statement (ES) has been prepared on behalf of the Applicant in relation to an application to be made to the Secretary of State (SoS) for Department for Business, Energy & Industrial Strategy (BEIS), under Section 37 of the Planning Act 2008.
3. The Application is for a Development Consent Order (DCO) for the construction, operation and maintenance, and decommissioning of Cleve Hill Solar Park. The Development is classified as a Nationally Significant Infrastructure Project (NSIP) under the Planning Act 2008. An Environmental Impact Assessment (EIA) has been undertaken for the Development and as such The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations) apply.
4. This Mitigation Schedule forms part of the application to PINS for a DCO for the Cleve Hill Solar Park. Its purpose is to summarise the mitigation measures identified within the ES (DCO Document Reference 6).

1.1 MITIGATION MEASURES

5. In response to post-submission requests from the Examining Authority, this version of the Mitigation Schedule 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 in each field). It also includes all mitigation, whether to mitigate significant effects or not-significant effects.

1.2 MONITORING

6. Monitoring is not included in this summary unless 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 draft DCO.

1.3 SECURING THESE MEASURES

7. In response to post-submission requests from the Examining Authority, this version of the Mitigation Schedule includes cross references to the draft DCO, identifying where the mitigation is secured by Requirement.

2 MITIGATION SCHEDULE

ES Chapter [Doc. Ref]	Phase of Development	Mitigation / Document	Where Secured	How the Action is to be Implemented
Chapter 7 Landscape and Visual Impact Assessment (7.4) [6.1.7]	Operation	Outline Landscape and Biodiversity Management Plan [6.4.5.2].	Draft DCO Requirement 4	Contractual requirement between the Applicant and an Asset Management contractor.
Chapter 8 Ecology (Section 8.4) [6.1.8]	Construction and Operation	Outline Landscape and Biodiversity Management Plan [6.4.5.2].	Draft DCO Requirement 4	Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).
Chapter 8 Ecology (Section 8.5.1.2, 8.5.4.3) [6.1.8]	Construction	The potential for dust creation is mitigated by measures set out in the Outline Construction Environment Management Plan (CEMP) [6.4.5.4].	Draft DCO Requirement 10	Contractual requirement between the Applicant and the Main Contractor.
Chapter 8 Ecology (Section 8.4) [6.1.8]	Construction and Operation	Mammal gates will be incorporated at regular intervals in the deer fences that will surround the solar PV modules and other infrastructure, as set out in Chapter 5: Development Description of the ES [6.1.5]. This is also set out in the Outline Landscape and Biodiversity Management Plan [6.4.5.2].	Draft DCO Requirement 4	Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).
Chapter 8 Ecology (Section 8.6) [6.1.8]	Construction	The provision of an Ecological Clerk of Works (ECoW), as set out in the Outline CEMP [6.4.5.4].	Draft DCO Requirement 10	Engagement by the Applicant of a suitably qualified and experienced consultant.
Chapter 8 Ecology (Section 8.6) [6.1.8]	Construction	To minimise any potential adverse effects of disturbance to, or loss of, Important Ecological Features (IEF) habitat and IEF species, such as the ditch system and adjacent riparian habitats, and semi-improved neutral grassland, under the Outline Construction Environmental Management Plan	Draft DCO Requirement 10	Contractual requirement between the Applicant and the Main Contractor. Engagement by the Applicant of a suitably qualified and experienced consultant for the ECoW role.

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		<p>(CEMP), the following measures will be implemented:</p> <ul style="list-style-type: none"> • Prior to and during the construction phase, the Ecological Clerk of Works (ECoW) will provide contractor briefings to ensure as far as practicable that impacts from construction activities are minimised; and • Use of measures such as temporary fencing and signing of retained IEF habitats and areas of importance to IEF species where at potential risk from construction activity, including the use of covers over, or escape ramps to allow egress from, excavations. <p>To minimise the potential adverse effects to IEF species from their presence within construction areas where the growth of new habitats prior to the start of the construction phase is required, under the Outline CEMP, the following measures will be implemented:</p> <ul style="list-style-type: none"> • Use habitat management measures, such as mowing or grazing of grassland habitats within the solar PV fields, such that the grassland maintains a short sward and does not encourage the colonisation of this habitat by IEF species from neighbouring extant habitat; and • The timing and requirement for habitat management within each field is to be confirmed by the ECoW following site observations during the construction phase. <p>These are part of the role of the ECoW, as set out in the Outline CEMP [6.4.5.4].</p>		

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Chapter 9 Ornithology (Section 9.4) [6.1.9]	Construction and Operation	Outline Landscape and Biodiversity Management Plan [6.4.5.2], including the implementation and monitoring of the following: <ul style="list-style-type: none"> • Arable Reversion Habitat Management Area; • Freshwater Grassland Marsh Habitat Management Area; • Lowland Grassland Meadow Habitat Management Area; and • Coastal Grazing Marsh management measures. 	Draft DCO Requirement 4	Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).
Chapter 9 Ornithology (Section 9.4) [6.1.9]	Construction and Operation	Implementation of a CEMP, via the Outline CEMP [6.4.5.4], including provision of an ECoW and implementation of a Breeding Bird Protection Plan (BBPP).	Draft DCO Requirement 10	Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).
Chapter 9 Ornithology (Section 9.4) [6.1.9]	Construction	Implementation of a Special Protection Area Construction Noise Management Plan [6.4.12.10].	Draft DCO Requirement 12	Contractual requirement between the Applicant and the Main Contractor.
Chapter 10 Hydrology (Section 10.6) [6.1.10]	Construction and Operation	Implementation of the CEMP, via the Outline CEMP [6.4.5.4]	Draft DCO Requirement 10	Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).
Chapter 11 Cultural Heritage and Archaeology (Section 11.6.1.1) [6.1.11]	Construction	Direct effects to archaeological remains during the construction phase could be mitigated through a programme of archaeological works which would preserve archaeological remains by record. A draft is provided in Technical Appendix A11.4: Outline Written Scheme of Investigation (DCO Document Reference 6.4.11.4).	Draft DCO Requirement 9	Contractual requirement between the Applicant and the Main Contractor.

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		<p>It is proposed that a programme of archaeological investigation be undertaken within the electrical compound location. The scope, extent and detail will be agreed with Kent County Council in the form of a Written Scheme of Investigation. The purpose is to afford an opportunity to identify and record any buried archaeological remains in this area, which is the largest specific piece of ground disturbance within the Development. This area is also closest to where archaeological remains were recorded during archaeological works for the adjacent onshore connection works substation. Implementation of an appropriate scheme of archaeological investigation would lead to preservation by record.</p>		
<p>Chapter 12 Noise and Vibration (Sections 12.1.2 and 12.4.1) [6.1.12]</p>	<p>Construction and decommissioning</p>	<p>Construction traffic mitigation is contained within the Construction Traffic Management Plan (CTMP) (ES Technical Appendix A14.1, DCO Document Reference 6.4.14.1).</p>	<p>Draft DCO Requirement 11</p>	<p>Contractual requirement between the Applicant and the Main Contractor.</p>
<p>Chapter 12 Noise and Vibration (Section 12.4.1) [6.1.12]</p>	<p>Construction and decommissioning</p>	<p>Where practicable, the work programme will be phased.</p>	<p>Draft DCO Requirement 3</p>	<p>Contractual requirement between the Applicant and the Main Contractor.</p>
<p>Chapter 12 Noise and Vibration (Section 12.4.2) [6.1.12]</p>	<p>Construction and operation</p>	<ul style="list-style-type: none"> • A large bund, will be built around the electrical compound, which will significantly reduce noise from the electrical compound at surrounding residential properties and ecological designations; • Where possible, the distance from the nearest residential receptors to the substation and energy storage facility and onsite transformers and string inverters was maximised; • Noise emissions from equipment will be a consideration in the selection of equipment, and 	<p>Draft DCO Requirement 14</p>	<p>Contractual requirement between the Applicant and the Main Contractor (construction) and an Asset Management contractor (operation).</p>

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		where possible the quietest available equipment will be installed; <ul style="list-style-type: none"> • Where required, manufacturer-supplied noise mitigation will be installed; • Where possible, noise generating equipment will be enclosed / containerised; • An appropriately-sized conductor arrangement will be selected to minimise noise; • Damage to overhead lines will be avoided; and <ul style="list-style-type: none"> • Conductors will be kept clean and free of surface contaminants during stringing / installation. 		
Chapter 12 Noise and Vibration (Section 12.5.2) [6.1.12]	Construction	Provision of an ECoW to take action should vibration from construction be observed to be having an effect on ecological receptors. Referred to in the Outline CEMP [6.4.5.4].	Draft DCO Requirement 10	Engagement by the Applicant of a suitably qualified and experienced consultant.
Chapter 12 Noise and Vibration (Section 12.6.1.2) [6.1.12]	Construction	The Outline SPA Construction Noise Management Plan (CNMP) [6.4.12.10] will be updated prior to construction setting out the final mitigation options based on the equipment planned to be used on site.	Draft DCO Requirement 12	Contractual requirement between the Applicant and the Main Contractor.
Chapter 12 Noise and Vibration (Section 12.6.2, 12.6.4) [6.1.12]	Operation	<p>Mitigation is required in order for effects to be not significant. An example of mitigation that would lead to noise levels being below the relevant limits at all receptors, and hence having no significant effects, is set out in sections 12.6.1 and 12.6.2 of chapter 12 [6.1.12] of the ES.</p> <p>In order to ensure that such mitigation is implemented and give confidence that it will be effective, prior to the start of construction, the predictions of noise levels will be repeated based on the actual detailed design, specific models of plant and specific mitigation measures. This will be</p>	Draft DCO Requirement 14	Contractual requirement between the Applicant and the Main Contractor.

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		required to show that predicted noise levels are below the relevant rating level noise limit.		
Chapter 13 Socio-economics, Tourism, Recreation and Land Use (Section 13.4) [6.1.13]	Operation	The measures set out below will be implemented: <ul style="list-style-type: none"> • New coastal grazing marsh habitats and lowland meadow planting; • New native species hedgerow planting; • Areas of shelterbelt, which will incorporate tree planting; and • Native scrub buffer planting areas. These embedded mitigation measures are set out in detail within the Outline Landscape and Biodiversity Management Plan provided in Technical Appendix A5.2 [6.4.5.2].	Draft DCO Requirement 4	Contractual requirement between the Applicant and the Main Contractor for implementation, and an Asset Management contractor (operation).
Chapter 13 Socio-economics, Tourism, Recreation and Land Use (Section 13.4) [6.1.13]	Operation	One permissive path is proposed through the Recreation Core Study Area, as shown on Figure 13.1 [6.2.13]. This would be available as a footpath only, given that public rights of access to either end are also as Public Footpaths (ZR488 and ZR484/CW55), rather than bridleways. This would follow field boundaries through the Development site, for the most part with solar PV modules on both sides, albeit set back c. 10 m on either side at the southern half, and c. 20 m on either side for the northern half. The northern half of the route follows an existing track with a stone surface. The southern half will be grassed.	Draft DCO Requirement 2	Contractual requirement between the Applicant and the Main Contractor for implementation, Applicant or an appointed asset manager to maintain the path.

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Chapter 13 Socio-economics, Tourism, Recreation and Land Use (Section 13.6.1) [6.1.13]	Construction	A separate Public Rights of Way (PRoW) Management Plan has been developed which is provided as Appendix G to the Outline Construction Traffic Management Plan (CTMP), which is Technical Appendix A14.1 [6.4.14.1] of the ES. This sets out management measures to mitigate direct effects on users of the PRoW network around the Recreation Core Study Area.	Draft DCO Requirement 11	Contractual requirement between the Applicant and the Main Contractor.
Chapter 13 Socio-economics, Tourism, Recreation and Land Use (Section 13.6.1) [6.1.13]	Construction	The Applicant will seek to raise awareness within the local community of, supply chain and employment opportunities, in order to promote local socioeconomic benefits.	Draft DCO Requirement 15	Applicant directly, or contractual requirement between the Applicant and the Main Contractor.
Chapter 13 Socio-economics, Tourism, Recreation and Land Use (Section 13.6.1) [6.1.13]	Construction	<p>Information will be provided to the public about where construction is taking place within the site, and this will be updated on a month to month basis. Subject to the agreement of relevant landowners and rights holders, information notices will be placed at either end of the stretch of the Saxon Shore Way/ZR484/CW55 that passes the Development site, on the Cleve Hill Solar Park website and at Faversham Tourist Information Centre. Specific locations for which permission has been or will be granted will be agreed with Kent County Council prior to the commencement of construction. The notices will also highlight other paths in the area that recreational users might consider as alternatives.</p> <p>This text is provided into a revision to the PRoW Management Plan, which is Appendix G to the Construction Traffic Management Plan [6.4.14.1].</p>	Draft DCO Requirement 11	Contractual requirement between the Applicant and the Main Contractor.

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Chapter 14 Access and Traffic (Sections 14.1, 14.5) [6.1.14]	Construction	An outline Construction Traffic Management Plan (CTMP) [6.4.14.1] has been written and is included as ES Technical Appendix A14.1, which details the measures to be implemented to mitigate against traffic generated during the construction phase. The outline CTMP is accompanied by a Travel Planning Statement, Traffic Incident Management Plan and Public Rights of Way Management Plan. A final CTMP, in line with the outline CTMP, will be provided for approval by KCC prior to commencement of development.	Draft DCO Requirement 11	Contractual requirement between the Applicant and the Main Contractor.
Chapter 16 Air Quality (Section 16.4.5) [6.1.16]	Construction and Decommissioning	The Outline CEMP [6.4.5.4] and Technical Appendix A5.5: Outline Decommissioning and Restoration Plan (DRP) [6.4.5.5] set out during construction and decommissioning phases to address dust generation. Recommended mitigation measures in relation to Non-Road Mobile Machinery (NRMM) are detailed below: <ul style="list-style-type: none"> • All NRMM should use fuel equivalent to ultra-low sulphur diesel (fuel meeting the specification within EN590:2004); • All NRMM should comply with either the current or previous EU Directive Staged Emission Standards (97/68/EC, 2002/88/EC, 2004/26/EC). As new emission standards are introduced the acceptable standards will be updated to the most current standard; • All NRMM should be fitted with Diesel Particulate Filters conforming to defined and demonstrated filtration efficiency (load/duty cycle permitting). 	Draft DCO Requirement 10 (CEMP) Draft DCO Requirement 16 (DRP)	Contractual requirement between the Applicant and the Main Contractor.

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		<ul style="list-style-type: none"> • The on-going conformity of plant retrofitted with Diesel Particulate Filters, to a defined performance standard, should be ensured through a programme of on-site checks; • Implementation of energy conservation measures including instructions to throttle down or switch off idle construction equipment; switch off the engines of trucks while they are waiting to access the site and while they are being loaded or unloaded; and ensure equipment is properly maintained to ensure efficient energy consumption; and • NRMM and plant should be well maintained. If any emissions of dark smoke occur then the relevant machinery will stop immediately and any problem rectified. <p>This text is included in a revised version of the Outline CEMP [6.4.5.4].</p>		