



Planning Inspectorate Reference: EN0110047

Environmental Impact Assessment Scoping Report
Volume II: Technical Appendices – Appendix 16-1: Long List of Major Accidents and Disasters
September 2026



Table Error! No text of specified style in document.-1 Long List of Schemes for Inclusion Within the Cumulative Effects Assessment

MAJOR ACCIDENT OR DISASTER	FURTHER CONSIDERATION REQUIRED?	SCOPING JUSTIFICATION	POTENTIAL RECEPTORS IDENTIFIED	COVERED IN OTHER CHAPTERS OR ASSESSMENTS?
NATURAL DISASTERS				
Earthquakes	No	The Proposed Development is not located in a geologically active area and, as such, earthquakes are not considered to be a probable risk or serious possibility.	N/A	N/A
Landslides	No	The risk of landslides would be considered as part of the geotechnical design, ensuring the risk is designed out in terms of the vulnerability of the Proposed Development to these types of events. However, given the flat nature of the land this risk is considered low. The Proposed Development is not anticipated to increase the risk of landslip at the Proposed Development or elsewhere as it is not substantially heavy, and the Proposed Development is relatively flat. The Proposed Development would not significantly change the erosion potential of the soil or stability of the land. British Geological Survey (BGS) (Ref 3) determines that the susceptibility to landslides in the vicinity of the Proposed Development ranges from moderately low to low.	N/A	N/A
Sinkholes	No	The Proposed Development would not significantly change the erosion potential of the soil or stability of the land.	N/A	N/A

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		The Site is relatively flat and existing potential for landslip is low. The Proposed Development is not anticipated to increase the risk of landslip on the Site or elsewhere.		
Flooding		Parts of the Proposed Development are located within Flood Zones 2 and 3. Both the vulnerability of the Proposed Development to flooding, and its potential to exacerbate flooding, will be covered in a site-specific Flood Risk Assessment (FRA) and reported in the ES. Mitigation will be considered and, where necessary, incorporated into the design of the Proposed Development.	Property and people in areas of increased flood risk.	Chapter 9: Water Environment
Tsunamis		The Proposed Development would not be situated within an area at risk from tsunamis or storm surges.	N/A	N/A
CLIMATE				
Extreme temperatures	No	It's recognised that temperature fluctuations associated with climate change are occurring more frequently, resulting in extreme temperatures. Climate change resilience will be considered with regards to the design of the Proposed Development, i.e. exposure of site infrastructure to greater heat intensity.	N/A	N/A

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Wildfires	No	Wildfire risk in the locality of the Proposed Development is low. Should weather conditions during construction become hot and dry for a long period of time, reasonable measures would be put in place to mitigate risks associated with fire.	N/A	N/A
Blizzards	No	The Proposed Development would be designed to cope with the local climate and extreme weather events. Blizzards are not considered likely to affect the integrity of the Proposed Development.	N/A	N/A
Drought	No	Droughts are only considered as a disaster due to water shortages for essential services and where there are indirect impacts on food production, loss of soils etc. The Proposed Development is not considered to be vulnerable to drought.	N/A	N/A
Thunderstorms	No	As the Proposed Development includes metal components, there is a risk of lightning strikes. However, these risks would be removed or reduced through inbuilt control systems and are therefore not anticipated to require further consideration.	N/A	N/A

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Air quality events associated with pollution/dust	No	The Proposed Development is not considered more vulnerable to air pollution than any other type of development. It would be designed to cope with the local air quality, which is anticipated to be good (there are no Air Quality Management Areas (AQMAs) within 5 km of the Proposed Development). High air pollution should not affect the integrity of the Proposed Development.	N/A	N/A
BIOLOGICAL/DISEASE				
Human disease	No	The construction and operation of the Proposed Development would not give rise to any disease epidemics.	N/A	N/A
Animal disease	No	The Proposed Development would not be a source of any disease epidemics associated with animals.	N/A	N/A
Plant disease	Yes	Standard control measures, as set out in the Outline CEMP, would be implemented by the appointed contractor during construction to handle and dispose of any diseased or invasive plants to prevent their spread.	Habitats and species	Chapter: 7 Landscape and Visual Chapter 8: Ecology and Biodiversity and
TRANSPORT				
Aviation Disasters	Yes	The Proposed Development is within the safeguarding zones of three aerodromes, including RAF Brize Norton and RAF Fairford.	Aircraft users	Chapter 16: Other Environmental Topics (Glint and Glare)

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		The potential for glint and glare to affect planes will be considered in the Other Environmental Topics ES chapter. Mitigation will be considered and, where necessary, incorporated into the Proposed Development design.		
Road Accidents	Yes	During construction there will be an increase in heavy construction plant and equipment on the local road network which may increase the risk of road traffic accidents. The potential for transport effects will be considered within Chapter 15: Transport and Access . The potential for glint and glare to affect road users will be considered in the Other Environmental Topics ES chapter. Mitigation will be considered and, where necessary, incorporated into the Proposed Development design.	Road users	Chapter 12: Transport and Access and Chapter 16: Other Environmental Topics (Glint and Glare)
Rail Accidents	No	There are no operational railways within close proximity to the Site.	Rail users	N/A
CRIME/WAR				
Terrorism / Crime / Civil Unrest	No	It is considered the Proposed Development is unlikely to be a target for terror/criminal incidents due to its rural location and low number of exposed targets.	N/A	N/A

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War	No	The Proposed Development is not considered to be more vulnerable to war than any other development.	N/A	N/A
INFRASTRUCTURE FAILURE OR COLLAPSE				
Cyber accident/ failure	Yes	The Applicant is accountable for ensuring the resilience of their assets to national security risks, including from cyber-attacks. The Proposed Development will implement good industry standard controls against cyber accident and failure to minimise this risk so that it is negligible.	Employees and people using grid network	N/A
Bridge failure	No	No bridges are to be used or constructed as part of Proposed Development.	N/A	N/A
Tunnel failure or fire	No	There are no tunnels located in proximity to Proposed Development.	N/A	N/A
Reservoir (dam) failure	No	the Proposed Development is not located within an area at risk from flooding from reservoirs.	N/A	N/A
Flood defence failure	Yes	The Proposed Development is not located within an area at risk of flooding from coastal flood defence failure. Mitigation will be considered and, where necessary, incorporated into the Proposed Development design.	N/A	N/A

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Mast and tower collapse	No	There are electric overhead line power lines within the DCO Site Boundary. During construction, any work required near electric overhead power lines would be adequately controlled and consulted on with the operator, and appropriate site-specific risk assessments completed which would consider such aspects as the voltage and height as well as size and reach of any machinery or equipment.	N/A	N/A
Utilities failure (electricity, gas, water supply and sewage)	Yes	The Proposed Development has the potential to affect existing utility infrastructure. To identify any existing infrastructure constraints, both consultation and a desk-based study will be undertaken. Consultation with relevant utilities providers is a routine part of solar development and consultees may include water, gas and electricity utilities providers and telecommunications providers as appropriate.	Employees and local residents	Chapter 16: Other Environmental Topics (Utilities and Telecommunications)
Electrical hazards (electric shock, arc flash, arc blast).	Yes	The Proposed Development concerns high voltage electrical equipment which carries risks associated with its accidental discharge. This risk would be controlled through an appropriate maintenance schedule and adherence with the Health and Safety at Work in terms of appropriate	Employees	N/A

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		control measures. There are negligible risks to the environment or other people.		
Fires	Yes	There may be potential for fire due to the battery storage element of the Proposed Development. However, the BESS would include cooling systems designed to regulate temperatures to within safe conditions which minimises the risk of fire. In addition, the Proposed Development design would include adequate separation between battery banks to ensure an isolated fire would not become widespread and lead to a major incident. Fire detection and suppression features would be installed to detect (e.g. multispectral infrared flame detectors) and suppress (e.g. water base suppression systems) fires to minimise this risk. An Outline Battery Safety Management Plan will be prepared for the Proposed Development and submitted alongside the DCO application. The development of the Outline Battery Safety Management Plan will be considered in the iterative design of the Proposed Development ensuring that design requirements to ensure fire safety (such as ensuring adequate provision of land for water storage) and management of any	Employees, local residents, local aquatic habitats and species	Outline Battery Safety Management Plan (Standalone document to be submitted with DCO)

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		firewater runoff are captured. Emissions plume modelling will be undertaken to inform the Outline Battery Safety Management Plan.		
INDUSTRIAL				
Major Accident Hazard Sites	No	The nearest COMAH establishments is located over 3km from the Proposed Development. As such, major accidents and/or disasters in relation to its interaction with the Proposed Development are considered unlikely.	N/A	N/A
Nuclear	No	The Proposed Development is not proposed to be sited near any nuclear developments.	N/A	N/A
Fuel Storage	No	There are no Fuel Storage sites within the study area.	N/A	N/A
Mines and Storage Caverns	No	The Proposed Development is not located close to any Coal Mining Reporting Areas.	N/A	N/A
UXO	No	The Proposed Development is located within an area of low risk from unexploded ordnance (UXO).	N/A	N/A
POLLUTION EVENTS				
Air	Yes	Whilst construction activities may cause a small increase in the exposure to dust and emissions from vehicles and construction plant, the Proposed Development gaseous or airborne substance as not expected to	Employees, local residents, local habitats and species	OEMP and Outline Battery Safety Management Plan

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		arise as a result of its construction or operation, however there is potential for release of toxic substances to air originating from a fire at the BESS. Emissions plume modelling will be undertaken to inform the Outline Battery Safety Management Plan. Mitigation measures would be presented in the Outline OEMP.		
Land	Yes	During the construction of the Proposed Development, there is a risk of leaks and spillages of materials, i.e. Fuels, associated with the construction activities. However, this risk would be controlled through standard control measures which would form commitments within the Outline CEMP. During operation there aren't expected to be any hazardous substances that could be released to groundwater / other land-based receptors.	Employees, local residents, local habitats and species	Chapter 8: Ecology and Biodiversity and Chapter 16: Other Environmental Topics (Ground Conditions)
Water	Yes	During the construction of the Proposed Development, there is a risk of leaks and spillages of materials, i.e. Fuels, associated with the construction activities. However, this risk would be controlled through standard control measures which would form commitments within the Outline CEMP.	Employees, local residents, local aquatic habitats and species	Chapter 9: Water Environment and Outline Battery Safety Management Plan

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		Liquid hazardous substances are not expected to form part of the operation of the Proposed Development, however there is potential for release of toxic substances entrained within firewater originating from a fire at the BESS. Mitigation for this event includes the measures as outlined above for fire risk.		