

APPENDIX 12.1 RISK TABLE

This Risk Table has been prepared to determine the scope of the assessment of effects included within Chapter 12 (Vulnerability to Major Accidents and Disasters) of the ES. This stage determines in more detail whether there is potential for significant effects associated with specific risks. Scoping, in this instance, is used in the context of scoping major events, rather than EIA scoping.

The table has used the risks outlined in the National Risk Register (2025 Edition) as a basis. An appreciation has also been given to the Local Risk as set out by the Hampshire and Isle of White Local Resilience Forum (LRF)¹, in particular those risks considered to be of very high risk upon the area (at the local level). Any additional risks have been included based of professional judgement and relevance to the Proposed Development.

Key

✗	Indicates that the major accident or disaster is not considered to be relevant to the location of the Proposed Development, or there is not a potential risk to or from the major accident or disaster during the enabling works / construction phase, or during the operational phase.
✓	Indicates that the major accident or disaster is relevant to the location of the Proposed Development, or there is a potential risk to or from the major accident or disaster during the enabling works / construction phase, or during the operational phase.

¹ Risks in Hampshire & Isle of Wight Local Risks, Hampshire & Isle of Wight LRF. Available at: <https://hiowprepared.org.uk/>

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Terrorism						
International terrorist attack	No.	x	x	x	No.	This risk is not relevant to the Site owing to location.
Northern Ireland related terrorism	No.	x	x	x	No.	This risk is not relevant to the Site owing to location.
Terrorist attacks in venues and public spaces: explosive devices	No.	✓	x	✓	Yes	The event is scoped in owing to the Hampshire and Isle of White LRF's Community Risk Register which considers terrorism as a risk to the area.
Terrorist attacks in venues and public spaces: marauding attacks	No.	✓	x	✓	Yes	The event is scoped in owing to the Hampshire and Isle of White LRF's Community Risk Register which considers terrorism as a risk to the area.
Malicious maritime incident	No.	x	x	x	No.	This risk is not relevant owing to Site's location and the nature of the event (i.e. involves a terrorist attack on a vessel in or near UK waters).
Malicious rail incident	No.	x	x	x	No.	

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						There are no major railway lines within proximity to the Site or on Hayling Island. Hayling Light Railway is a 2ft narrow gauge line situated on the south coast of Hayling Island used for tourism purposes. Due to the size, speed and distance from the Site (c. 850m), rail accidents from the Hayling Light Railway are not considered to be relevant to the Proposed Development. As such this section has been scoped out.
Malicious aviation incident		No.	x	x	x	No. No airports are located on Hayling Island. No areas designated for helicopter landings are located within or adjacent to the Site. The closest airports to the Site are located over 15 km away. As such, this event will be scoped out.
Hayling island Strategic hostage taking		No.	x	x	x	No. Due to the nature of the Proposed Development (residential) and its scale, it is unlikely to receive nationwide media attention. Therefore, the Proposed Development is unlikely to become a target for

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						strategic hostage taking. As such, this event will be scoped out.
Assassination of a high-profile public figure		No.	x	x	x	No. This risk is not relevant to the Site.
Chemical, Biological, Radiological and Nuclear (CBRN) attacks		No.	x	x	x	No. Due to the nature of the Proposed Development (residential), it is unlikely to provoke a Chemical, Biological, Radiological and Nuclear (CBRN) attack. It should be noted that the government continues to reduce the vulnerability of the UK to CBRN attacks by improving methods to detect and monitor CBRN materials, including through the UK border, and by limiting access to hazardous materials and their precursors. ²
Malicious attack on chemicals infrastructure		No.	x	x	x	No. The Proposed Development will not include any chemical infrastructure nor is located in close proximity to existing infrastructure.

² National Risk Register 2025, HM Government

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Conventional attack: gas infrastructure		No.	✓	✓	✓	Yes Plans provided by Scottish and Southern Energy (SSE) and Scotia Gas Networks (SGN) indicate no gas infrastructure is located on the Site. Low Pressure (LP) mains however are located in the surrounding area serving the surrounding land uses. These mainly follow the orientation of existing highways (i.e. along St Mary's Road and Church Road). New gas infrastructure will be laid on Site with associated service connections.
Cyber attack: gas infrastructure		No.	✓	✓	✓	Yes Plans provided by Scottish and Southern Energy (SSE) and Scotia Gas Networks (SGN) indicate no gas infrastructure is located on the Site. Low Pressure (LP) mains however are located in the surrounding area serving the surrounding land uses. These mainly follow the orientation of existing highways (i.e. along St Mary's Road and Church Road). New gas infrastructure will be laid on Site with associated service connections.

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Conventional attack: electricity infrastructure		No.	✓	✓	✓	Yes Yes Plans provided by Scottish and Southern Energy (SSE) illustrates that an underground high voltage (HV) 11kV line runs across the centre of the Site in an east to west orientation and two overground HV 33kv cables are located within the northeast of the Site. Other HV and LV electrical infrastructure is located in the surrounding area. It is anticipated that the Proposed Development will be supplied by the existing network; the point of connection off the existing network will be confirmed during detailed design.
Cyber attack: electricity infrastructure		No.	✓	✓	✓	Yes Plans provided by Scottish and Southern Energy (SSE) illustrates that an underground high voltage (HV) 11kV line runs across the centre of the Site in an east to west orientation and two overground HV 33kv cables are located within the northeast of the Site. Other HV

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
						and LV electrical infrastructure is located in the surrounding area. It is anticipated that the Proposed Development will be supplied by the existing network; the point of connection off the existing network will be confirmed during detailed design.
Conventional attack: civil nuclear		No.	x	x	x	No. The closest nuclear power station to the location of the Proposed Development is Dungeness B Power Station operated by EDF c. 137 km east. The Site is considered to be outside the radius of potential exposure should an attack occur. The Proposed Development will not facilitate the movement or use of nuclear material.
Cyber attack: civil nuclear		No	x	x	x	No. A cyber attack upon civil nuclear infrastructure would result in the loss of supply to the UK National Grid. The National Grid is not solely reliant upon nuclear infrastructure and has the capability to restore grid systems and manage power distribution. The proposed

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						development is not considered to provide an essential service.
Conventional attack: fuel supply infrastructure	No		x	x	x	No Asset plans provided to date have not illustrated any fuel supply infrastructure on Site. We therefore assume such infrastructure is void from the Site. No petrol stations are located on the highways adjacent to the Site. Owing to the nature of the Proposed Development fuel supply infrastructure will not be located on Site.
Cyber attack: fuel supply infrastructure	No.		x	x	x	No Asset plans provided to date have not illustrated any fuel supply infrastructure on Site. We therefore assume such infrastructure is void from the Site. No petrol stations are located on the highways adjacent to the Site. Owing to the nature of the Proposed Development fuel supply infrastructure will not be located on Site.

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Attack on Government		No.	✗	✗	✗	No. This risk is not relevant to the Proposed Development.
Cyber						
Cyber Attacks	Health and social care system	No.	✓	✗	✗	Yes The event is scoped in owing to the Hampshire and Isle of White LRF'S Community Risk Register which states it is important to consider the impact of a cyber-attack.
	Transport sector					The risk register highlights cyber attacks upon health and social care system and telecommunications systems as very high risks to the area and the risk upon the transport sector as medium.
	Telecommu nications systems					
State threats						
Malicious attacks: UK financial CNI		No.	✗	✗	✗	No. This event relates to impact upon Financial market infrastructures (FMIs). The Proposed Development does not comprise of any FMIs.
Cyber attack: UK retail bank		No.	✗	✗	✗	No Whilst such an event may lead to short term disruption during both construction on operation,

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						impacts would not directly affect human health, built infrastructure of the natural environment. Any impact would be indirect and in the form of financial loss. Such impact is considered outside the scope of an EIA.
Total loss of transatlantic telecommunications cables		No.	x	x	x	No. This risk is not relevant to the Site.
Geographic and diplomatic risks						
Disruption of Russian gas supplies to Europe		No.	x	x	x	No. As stated within the National Risk Register 2025 'UK does not rely on Russian supply, having banned import of Russian gas from the start of 2023. Though Europe has reduced dependency on Russian gas significantly, supply to Europe remains. The UK is heavily integrated with the European gas market so it would be impacted by price volatility due to the continuing Russian supply to Europe'. Economic impacts would be temporary , indirect and would not directly affect human health, built infrastructure of the natural environment. Any resultant effects would be not significant.
Disruption to global oil trade routes		No.	x	x	x	No.

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						Disruption to global oil supply, may result in higher global prices. Economic impacts would be indirect and would not directly affect human health, built infrastructure of the natural environment. It is anticipated that any effect would be short term and not significant as it is stated in the 2025 National Risk Register '<i>The UK would likely be able to meet its demand for oil and petroleum products at the market price in a short amount of time</i>'.
Accidents and systems failure						
Major adult social care provider failure	No.		x	x	x	No. It is not considered that the Proposed Development will increase the probability of a failure in social care provision occurring. Due to the provision of affordable housing, the Proposed Development is anticipated to relieve some financial pressures on HBC by reducing demand for social housing in the area. It is noted that the 2025 National Risk Register considers the impact of a major adult social care

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						provider failure to be limited.
Insolvency of supplier(s) of critical services to the public sector		No.	x	x	x	No. This event is not relevant to the Proposed Development.
Insolvency affecting fuel supply		No.	x	x	x	No. Despite the Proposed Development's reliance on fuels within its supply chain for production and transportation of building materials suggesting that such an event may delay construction in a worst case, this would not directly affect human health, built infrastructure and the natural environment. Likewise, a loss of fuel for heating may indirectly impact domestic customers however it is noted that the 2025 National Risk Register considers and event of this nature as having a minor impact (the lowest on its scale). The Proposed Development does not include for infrastructure such as care homes, which are those at the highest risk of an impact from heating loss.
Rail accident		No.	x	x	x	No.

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						Whilst the Hampshire and Isle of White LRF's Community Risk Register considers railway accidents as a very high local risk there are no major railway lines within proximity to the Site or on Hayling Island. Hayling Light Railway is 2ft narrow gauge line situated on the south coast of Hayling Island and is used for tourism purposes. Due to the size, speed and distance from the Site (c. 850m), rail accidents from the Hayling Light Railway are not considered to be relevant to the Proposed Development. As such this section has been scoped out.
Highway accident		Yes (Chapter 8: Transport and Access)	✓	✓	✓	Yes There is a potential for effects on highway safety caused by the increase in traffic flow as a result of the Proposed Development.
Large passenger vessel accident		No.	✗	✗	✗	No. Despite Hayling Island's proximity to Portsmouth Harbour, a busy Port for cruise ships, ferries and Royal

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						Navy Ships and the English Channel, the likelihood of a large passenger vessel accident occurring and affecting the Proposed Development is considered to be very low due to the degree of separation. As such this section has been scoped out.
Major maritime pollution incident		No.	✓	✗	✗	Yes. Hayling Island itself is adjoined by the English Channel which is used as a shipping lane due to its link between the North Sea and the Atlantic Ocean. As such, whilst considered to be a rare event, a maritime pollution incident occurring around Hayling Island or in the English Channel could affect human health and the natural environment.
Incident (grounding/sinking) of a vessel blocking a major port		No.	✗	✗	✗	No. The closest major port to the Proposed Development is located in Portsmouth Harbour which is over 7km away and does not directly adjoin with Hayling Island. On this basis, and due to the nature of the Proposed Development (residential) it is not considered that an

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						incident of a vessel blocking a major port is of relevance. As such, this risk has been scoped out.
Accident involving high consequence dangerous goods		No.	x	x	x	No. Whilst the Hampshire and Isle of White LRF's Community Risk Register considered accidents involving high consequence dangerous goods as a very high local risk it is not expected that the Proposed Development will facilitate the movement of dangerous/ hazardous goods due to its nature. Due to the remote chance of an incident of this nature occurring in proximity to the Proposed Development's location as well as the robust contingences, plans and procedures the UK has in place should an incident occur, this risk is considered of very low risk to the Proposed Development. As such it has been scoped out.
Aviation collision		No.	x	x	x	No.

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						No airfields are located on Hayling island. The closest airfield to the Proposed Development is located c. 4.1 km away on Thorney Island. Thorney Island Airfield is a former RAF Airfield built in 1938 and was heavily involved in the Battle of Britain. It is now used as a military barracks and as such its use as an airfield has significantly reduced. The closest major airport to the Site is Southampton, which is c. 32km north-west. On account of the above and considering that UK airspace and UK airlines are recognised as among the safest in the world, it is judged that the risk from aviation collisions on the Proposed Development is very-low. The Proposed Development by its nature will not make worse or cause a major collision. This risk has therefore been scoped out.
Malicious drone incident		No.	x	x	x	No. The 2025 National Risk Register considers the scenario for such an event to be based on the malicious use of a drone at an airport. The event is therefore not

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						relevant to the Proposed Development due to its location and nature.
Disruption of space-based services		No.	x	x	x	No. It is not considered that the Proposed Development would be reliant on space-based services due to its nature. The 2025 National Risk Register states ' <i>it is assumed that the chance of any debris fragment hitting the UK is extremely unlikely</i> '.
Loss of Positioning, Navigation and Timing (PNT) services		No.	x	x	x	No. The Proposed Development is not directly reliant on PNT services. This risk has therefore been scoped out.
Simultaneous loss of all fixed and mobile forms of communication		No.	x	x	x	No. Whilst the Hampshire and Isle of White LRF's Community Risk Register considers simultaneous loss of fixed and mobile forms of communication as a very high local risk any disruption caused by such, due to the nature of the risk (loss of mobile and./or internet connections), would be minimal and temporary. As noted in the National Risk Register (2025) the recovery time to such an event would likely be very quick.

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						The Proposed Development does not include any infrastructure that would facilitate mobile or internet connections.
Failure of the National Electricity Transmission System (NETS)		No.	✓	✓	✓	Yes. The Hampshire and Isle of White LRF consider a failure of the National Electricity Transmission System (NETS) as a very high risk within their Community Risk Register. This event is therefore scoped in.
Regional failure of the electricity network		No.	✓	✓	✓	Yes. The event is scoped in owing to the Hampshire and Isle of White Community Risk Register which notes the area at risk from national power outages.
Failure of gas supply infrastructure		No.	✓	✓	✓	Yes Plans provided by Scottish and Southern Energy (SSE) and Scotia Gas Networks (SGN) indicate no gas infrastructure is located on the Site. Low Pressure (LP) mains however are located in the surrounding area serving the surrounding land uses. These mainly follow the orientation of existing highways (i.e. along St Mary's Road and Church Road.

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						New gas infrastructure will be laid on Site with associated service connections. The gas infrastructure within the surrounding area could be affected by construction vehicle accidents. Such event is scoped in in accordance with the above and owing to the Hampshire and Isle of White LRF's Community Risk Register which considers a failure of gas supply infrastructure as a very high local risk.
Civil nuclear accident		No.	x	x	x	No. The closest nuclear power station to the location of the Proposed Development is Dungeness B Power Station operated by EDF c. 137 km east. The Site is considered to be outside the radius of potential exposure should an attack occur. It is also recognised that there are strict UK regulations that require robust safety procedures in place at all UK nuclear sites meaning an event of this type is of very-low likelihood.

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						It is therefore considered that the risks to or from civil nuclear accidents is also considered to be very-low and will be scoped out.
Radiation release from overseas nuclear site		No.	x	x	x	No. Due to the location of the Proposed Development, along the south-east coast of the UK, it is in relatively close proximity to a number of nuclear power stations on the north coast of France. However, it is recognised that countries near the UK have well established civil nuclear sectors, with robust safety procedures in place. Therefore, despite the potentially catastrophic impacts of a nuclear incident occurring, as the risk is extremely low, it is not considered that the Proposed Development is at risk to or from radiation release from overseas nuclear site. As such it has been scoped out of this section.
Radiation exposure from		No.	x	x	x	No.

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transported, stolen or lost goods						Due to the robust safety and security procedures in place in the UK, as well as the nature of the Proposed Development (residential – will not facilitate the transportation of radioactive material/ goods), the risks to or from nuclear radiation related incidents are not considered to be relevant.
Technological failure at a systemically important retail bank	No.		x	x	x	No Financial failure (i.e. banking systems loss) is not relevant to the Proposed Development.
Technological failure at a UK critical financial market infrastructure	No.		x	x	x	No Financial infrastructure failure (i.e. to financial market infrastructure) is not relevant to the Proposed Development.
Accidental fire or explosion at an onshore major hazard (COMAH) site	No.		x	x	x	No. A search of COMAH 2015 Public Information Search identified no establishments that are covered by the

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						Control of Major Accident Hazards (COMAH) Regulations 2015 within c.3miles of the Site ³ . Email correspondence between HSE and the Applicant, in April 2016, also stated 'The proposed development site which you have identified does not currently lie within the consultation distance (CD) of a major hazard site or major accident hazard pipeline' Owing to the nature of the Proposed Development it will not be classed as a COMAH site.
Accidental large toxic chemical release from an onshore major hazard (COMAH) site		No.	x	x	x	No. A search of COMAH 2015 Public Information Search identified no establishments that are covered by the Control of Major Accident Hazards (COMAH) Regulations 2015 within c.3miles of the Site ³ . Email correspondence between HSE and the Applicant, in April 2016, also stated 'The proposed development site which you have identified does not currently lie

³ COMAH 2015 Public Information Search, Health and Safety Executive. Available at: [COMAH 2015: Search](#)

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
						within the consultation distance (CD) of a major hazard site or major accident hazard pipeline' Owing to the nature of the Proposed Development it will not be classed as a COMAH site.
Accidental fire or explosion on an offshore oil or gas installation		No.	x	x	x	No. Due to the location of the Proposed Development this event is not of relevance.
Accidental fire or explosion at an onshore fuel pipeline		No.	x	x	x	No. A review of the North Sea Transition Authority's Onshore oil and gas activity online interactive mapping service indicates no oil or gas infrastructure is located on Hayling Island ⁴ . In addition, due to the strict and robust legislation, standards, codes of practice and guidance, enforced by the Health and Safety Executive and imposed on operators of onshore fuel pipelines it is considered that any event would be mitigated for at source and

⁴ Onshore oil and gas activity, North Sea Transition Authority. Available at: <https://experience.arcgis.com/experience/36207e9db17d4eb68ea28504669b8e35>

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						therefore the likelihood of such an event occurring is very low. As such, this section will be scoped out.
Accidental fire or explosion at an onshore major accident hazard pipeline	No.		x	x	x	No Such infrastructure is not located on Site or within the local area. The Proposed Development does not comprise a major accident hazard pipeline.
Accidental work-related (laboratory) release of a hazardous pathogen	No.		x	x	x	No There is no known laboratory within or within close proximity of the Site. The Proposed Development will also not result in the release of hazardous pathogens during its construction and operation.
Reservoir/dam collapse	No.		x	x	x	No. The location of the Proposed Development is not in proximity to any large dams or reservoirs.
Water infrastructure failure or loss of drinking water	No.		✓	✓	✓	Yes.

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						Owing to the nature of the Proposed Development a Water infrastructure failure or loss of drinking water could have a significant effect upon human health. Plans supplied by Portsmouth Water indicate there is no water infrastructure within the Site. However, water mains and foul water infrastructure (sewers) are located in the surrounding area associated with the surrounding land uses. These mainly follow the orientation of existing highways (i.e. along St Mary's Road and Church Road. New infrastructure will be laid on Site to serve the new properties.
Food supply contamination		No.	x	x	x	No. Whilst contamination of food products with pathogens such as Norovirus, Salmonella, Listeria or Escherichia Coli (E.coli) represents a significant threat to public health, it is not considered a relevant to the Proposed Development due to its nature (residential). Welfare units may be included on Site during construction however these will not facilitate cross contamination.

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						As such, this section will be scoped out.
Major fire		No.	✗	✓	✓	Yes. The Hampshire and Isle of White LRF consider major fires as a very high risk within their Community Risk Register. This event is therefore scoped in.
Chemical and Biological Contamination		No.	✗	✓	✓	Yes Activities such as the accidental spillage of fuels on Site could lead to contamination. It is noted that to the Hampshire and Isle of White LRF's Community Risk Register considers major pollution of surface waters and groundwater as a very high local risk.
Natural and environmental hazards						
Wildfire		No.	✗	✗	✗	No. Climate change is likely to lead to changes in the weather patterns that affect the UK, with longer drier summers anticipated. This could lead to drier vegetation and more frequent, larger wildfires.

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						The Site is not currently accessible to the general public therefore is not at risk of a wildfire from occurring via methods such recreation (BBQs), or deliberately. The Proposed Development will increase the area of hardstanding on Site, decreasing the risk of vegetation catching on fire. The Site is also surrounded by residential areas to its south, east and west, and the agricultural fields and open-green space immediately towards the north and west of the Site are sparsely vegetated with grass-dominated vegetation. Therefore, there is little vegetation within the vicinity of the Site that could potentially ignite and cause a wildfire. This disaster is therefore scoped out.
Volcanic eruption		No.	x	x	x	No. Volcanic Activity is non-existent in the UK due to its location. However volcanic eruptions elsewhere on the globe could affect the UK immediately by disrupting air traffic. Over the longer term, volcanic air pollution could affect food supplies, health and potentially climate.

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						It should be noted that for the longer-term effects to become apparent a major volcanic eruption must occur. The likelihood of this is considered to be very low. In addition, seismic activity is monitored globally. Should activity increase the UK will be alerted allowing time to respond accordingly.
Earthquakes		No.	x	x	x	No. Earthquakes in the UK are rare, and an earthquake powerful enough to inflict severe damage is unlikely. Although distant from the nearest plate boundary earthquakes in the UK occur as crustal stresses within the tectonic plates are relieved by movement occurring on pre-existing fault planes⁵. The 2025 National Risk Register notes that '<i>each year, the UK experiences around 200 to 300 earthquakes but only 10% of these are powerful enough to be noticed by people</i>'. Most of these are very small and cause no damage. However, some British earthquakes have

⁵ Where do earthquakes occur?, British Geological Society. Available at: <https://www.bgs.ac.uk/discovering-geology/earth-hazards/earthquakes/where-do-earthquakes-occur/#:~:text=Although%20distant%20from%20the%20nearest%20plate%20boundary%2C%20the,for%20earthquake%20activity%20in%20the%20UK%20are%20unclear.>

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						caused considerable damage, although these are not comparable to the devastation caused by large earthquakes in other parts of the world. The British Geological Society (BGS) reports that a magnitude 4 earthquake happens in Britain roughly every two years. We experience a magnitude 5 roughly every 10–20 years. Research suggests that the largest possible earthquake in the UK is around magnitude 6.5⁵. In a worst-case earthquake activity in the UK would cause damage to buildings and infrastructure. This could result in some fatalities and casualties due to falling masonry or interior damage. However, it should be noted that the National Risk Register considers the likelihood of an earthquake to be <0.2% and the impact to be minor (the lowest on their scale). The largest known British earthquake occurred near the Dogger Bank in 1931, with a magnitude of 6.1. Whilst the earthquake occurred 60 miles offshore it was still powerful enough to cause minor damage to buildings on the east coast of England.

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						It is acknowledged the casualty rate from earthquakes in the UK is very low. Research undertaken by the BGS, found that only 11 fatalities, as a result of earthquakes, can be traced with any certainty when using reliable records (1580 -1940). Of these, six were killed by falling stones, two fell from upper floors, two died of shock and one committed suicide⁶. The research also shows a lack of correlation between earthquake magnitude and earthquake casualties in the UK; this is in accord with general observations in earthquake epidemiology. The National seismic hazard maps for the UK: 2020 update⁷ produced by the BGS notes that southern UK is characterised by low seismicity. A review of BGSs Geoindex Onshore mapping system shows that there are no records of earthquakes on the Site. The records

⁶ Have earthquakes caused deaths in Britain?, British Geological Society. Available at: <https://www.earthquakes.bgs.ac.uk/education/faqs/faq14.html#:~:text=Eleven%20people%20are%20known%20to%20have%20died%20as,two%20died%20of%20shock%20and%20one%20committed%20suicide.>

⁷ National seismic hazard maps for the UK: 2020 update, British Geological Society. Available at: https://earthquakes.bgs.ac.uk/publications/BGS_OR_20_053_NationalSeismicHazardMapsUK.pdf

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
						indicated an earthquake occurred c.1.5km off the south coast of the island in 1963. The earthquake was recorded to have a magnitude of 4.7. Owing to the findings of the above and that the last earthquake related death, in the UK was in 1940 this disaster is not considered further.
Landslides		No.	x	x	x	No. A review of BGSs Geoindex Onshore mapping system ⁸ shows that there are no records of landslides on the Site. It is also noted that the Site is relatively flat.
Humanitarian crisis overseas: natural hazard event		No.	x	x	x	No. This event relates to overseas territories and is therefore not of relevance to the Proposed Development.
Disaster response in the Overseas Territories		No.	x	x	x	No.

⁸ GeoIndex Onshore. British Geological Society. Available at: https://mapapps2.bgs.ac.uk/geoindex/home.html?_ga=2.108261386.941155295.1753456679-1408346742.1753456679

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
						This event relates to overseas territories and is therefore not of relevance to the Proposed Development.
Severe Space Weather		No.	✓	✗	✗	Yes. The Hampshire and Isle of White LRF consider severe space weather as a very high risk within their Community Risk Register. This event is therefore scoped in.
Storms		No.	✓	✓	✓	Yes. The Hampshire and Isle of White LRF consider storms as a very high risk within their Community Risk Register. This event is therefore scoped in.
High Temperatures and heatwaves		No.	✓	✓	✓	Yes. The Hampshire and Isle of White LRF consider high Temperatures and heatwaves as a very high risk within their Community Risk Register. This event is therefore scoped in.
Low temperatures and snow		No.	✓			Yes.

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
				✓	✓	The Hampshire and Isle of White LRF consider low temperatures and snow as a very high risk within their Community Risk Register. This event is therefore scoped in.
Flooding		Yes. Chapter 9 Water Environment	✓	✓	✓	Yes. The Hampshire and Isle of White LRF consider flooding as a very high risk within their Community Risk Register. This event is therefore scoped in.
Drought		No.	✗	✓	✓	Yes. Extreme weather events including heat waves and droughts have the potential to impact buildings and infrastructure, human health, the environment and climatic systems.
Poor Air Quality		Yes. Chapter 6 Air Quality	✗	✓	✓	Yes The Hampshire and Isle of White LRF consider poor air quality as a very high risk within their Community Risk Register. This event is therefore scoped in.

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Human, animal and plant health						
Pandemic		No.	✓	✓	✓	Yes The Hampshire and Isle of White LRF consider a pandemic as a very high risk within their Community Risk Register. This event is therefore scoped in.
Outbreak of an emerging infectious disease		No.	✓	✓	✓	Yes. The Hampshire and Isle of White LRF consider an outbreak of an emerging infectious disease as a very high risk within their Community Risk Register. This event is therefore scoped in.
Animal disease	Major outbreak of foot and mouth disease	No.	✓	✗	✗	Yes. Livestock or horses do not currently occupy the Site. Foot and mouth disease, African horse sickness, and African swine fever are therefore not of relevance.

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
	Major outbreak of highly pathogenic avian influenza					It is noted that to the Hampshire and Isle of White Community Risk Register highlights Avian Influenza in wild birds as a very risk to the area. Several species of birds use the Site which may be susceptible to avian influenza. Avian influenza is primarily a disease of birds, but can be transmissible to humans through prolonged, direct contact with infected birds or contaminated material. Owing to the nature of the Proposed Development prolonged contact with birds is considered very unlikely.
	Major outbreak of African horse sickness					
	Major outbreak of					
Major outbreak of plant pest	Xylella fastidiosa	No.	x	x	x	No The National Risk Register 2025 notes Xylella fastidiosa and Agrilus planipennis as the plant pests at risk of outbreak. The Department for Environment, Food &

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
	Agrilus planipennis					Rural Affairs UK Risk Register Details notes that Xylella fastidiosa and Agrilus planipennis are currently absent from the UK⁹. The emerald ash borer (EAB, <i>Agrilus planipennis</i>) is a pest of ash trees. An Arboricultural Assessment, been prepared in support of the Planning Application, has identified ash trees on Site. Strict national measures safeguard the UK, from a range of plant health diseases and pests including the Xylella fastidiosa and exotic beetles. Such measures include import prohibition and control. Owing to the nature of the Proposed Development it is unlikely to facilitate an outbreak of a plant pest. Any importation of ash wood, if necessary, would follow the necessary regulations imposed by the UK Government. Appropriate consideration will be given to the species of flora which will be planted on Site.

⁹ UK Plant Health Risk Register, Department for Environment, Food & Rural Affairs

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Societal						
Public disorder		No.	x	x	x	No. Whilst the Hampshire and Isle of White LRF's Community Risk Register considers public disorder as a very high risk to the area given the nature of the Proposed Development it is considered unlikely that it will provoke public disorder.
Industrial action		No.	x	x	x	No. The effects of industrial action relate to the disruption of essential services and business and public disorder challenges. These impacts are considered to be outside the scope of an EIA.
Reception and integration of British nationals arriving from overseas		No.	x	x	x	No. The reception and integration of BNs is considered to be outside the scope of an EIA.
Conflict and instability						

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Deliberate disruption of UK space systems and space-based services		No.	x	x	x	No. Whilst the Hampshire and Isle of White LRF's Community Risk Register considers deliberate disruption of UK space systems and space-based services as a very high risk to the area it is not considered to be relevant to the Proposed Development due to its nature.
Attack on a UK ally or partner outside NATO or a mutual security agreement requiring international assistance		No.	x	x	x	No. Such event is not considered relevant to the Proposed Development owing to its nature.
Attack against a NATO ally or UK deployed forces, which meets the Article 5 threshold		No.	x	x	x	No. Such event is not considered relevant to the Proposed Development owing to its nature.

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
Conventional attack on the UK mainland or overseas territories		No.	x	x	x	No. The probability of such event occurring is considered to be extremely low. Owing to the location of the Site, outside of a major city, it is extremely unlikely to be the target of an attack.
Nuclear miscalculation not involving the UK		No.	x	x	x	No. Nuclear miscalculation refers to the risk that a state will misunderstand the intentions of another state and respond by launching a nuclear strike. The false belief that an attack is imminent causes a country to 'miscalculate' the risk of full-scale war and escalate a conflict to the nuclear level. The UK works to stop the spread of nuclear weapons, promote cooperation and advance nuclear disarmament. The UK promotes diplomatic solutions to every conflict. Whilst the impact of such an event would be catastrophic on the affected region in terms of deaths

Risk Group	Risk Sub Group	Is the risk covered in a relevant ES chapter (outside of Chapter 12)?	Is the Risk relevant to the Proposed Development's Location	Construction Risk (incl. enabling works)	Operational Risk	Scoped In?
						and casualties, as the Proposed Development will not increase the risk of an event of this nature occurring and the probability of such an event occurring is extremely low, it has been scoped out of this assessment.