

Potential changing climate variable	A Impact	B Likelihood	C Severity	D Risk (B x C)	E Mitigation (what will you do to mitigate this risk)	F Likelihood (after mitigation)	G Severity (after mitigation)	H Residual risk (F x G)
3. The biggest rainfall events are up to 20% more intense than current extremes (peak rainfall intensity)*.	Localised flooding within the installation boundary. The site is located entirely within Flood Zone 1 and is at low risk of fluvial, tidal and surface water flooding. However, the site has been identified as having a high risk of groundwater flooding.	2	3	6	The Facility has been designed with a SUDS system to mitigate the risk of off-site flooding and to manage the discharge of surface water from the installation. The SUDS system has been designed to allow for a 40% climate change allowance and attenuate the 1 in 30-year critical storm event.	2	2	4
4. Average winter rainfall may increase by 44% on today's averages.	Localised flooding within the installation boundary. The site is located entirely within Flood Zone 1 and is at low risk of fluvial, tidal and surface water flooding. However, the site has been identified as having a high risk of groundwater flooding.	2	3	6	The Facility has been designed with a SUDS system to mitigate the risk of off-site flooding and to manage the discharge of surface water from the installation. The SUDS system has been designed to allow for a 40% climate change allowance and attenuate the 1 in 30-year critical storm event.	2	2	4
5. Sea level could be as much as 0.6m higher compared to today's level*.	The site is located entirely within Flood Zone 1 and is at low risk of fluvial, tidal and surface water flooding. However, the site has been identified as having a high risk of groundwater flooding.				The site is at low risk of tidal flooding. The SUDS system has been designed to allow for a 40% climate change allowance and attenuate the 1 in 30-year critical storm event.			
6. Drier summers, potentially up to 44% less rain than now.	No negative impact expected. The ERF will employ rainwater harvesting but will not be dependent on this as a source of water as there will also be a mains connection.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7. At its peak, the flow in watercourses could be 50% more than now, and at its lowest it could be 75% less than now.	Localised flooding within the installation boundary. The site is located entirely within Flood Zone 1 and is at low risk of fluvial, tidal and surface water flooding.	1	3	3	The Facility has been designed with a SUDS system to mitigate the risk of off-site flooding and to manage the discharge of surface water from the installation.	1	2	2

*Indicates data has come from climate change allowances as part of the spatial planning process. Evidence from your planning submission is acceptable evidence for this worksheet.