

North west England river basin district: climate change risk assessment worksheet

Name (as on your part A application form): Peel L&P Environmental Protos Ltd

Our permit reference number (if you have one): TBC

Your document reference number: SOL2009NPA01

Risk assessment worksheet for the 2050s

North west England river basin district

You must carry out a climate change risk assessment for any new bespoke waste and installations permit applications if you expect to operate for more than 5 years. Use the [user guide](#) to complete the table. You can add in extra pages if necessary.

Consider how your operations will be affected by the changes in weather and climate described in the table. Consider any changes to average climate conditions that may impact on your operations, for example extreme rainfall.

Also consider:

- critical thresholds - where a 'tipping point' is reached, for example a specific temperature where site processes cannot operate safely
- changes to averages - for example an entire summer of higher than expected rainfall causing waterlogging
- where hazards may combine to cause more impacts

You can add in other climate variables if you wish.

If you have stated on your application form that you do not expect to be operational in 2050, you must still consider climate change risks for the time you do intend to operate. Whilst the variables are for the 2050s, this is an estimated date and you may experience these conditions before then.

This worksheet will sit in your management system. It must appear on the management system summary you submit with your application, even if you do not need to submit the whole risk assessment with your application.

If your pre-mitigation risk score (column D) is 5 or higher, you must complete columns E to H.

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)
1. Summer daily maximum temperature may be around 6°C higher compared to average summer temperatures now.	Increased risk of odour and fire from warming of wastes	2	2	4	Reduce storage times for wastes onsite prior to processing. Keep a log of hot days occurring each year and monitor temperatures and weather forecasts. Upgrade storage building insulation if required. Paint building in reflective [white] paint if planning permits	1	2	2

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7. At its peak, the flow in watercourses could be 35% more than now, and at its lowest it could be 70% less than now.	Increased flow and level in adjacent surface water draineg ditches, potential risk of site flooding.	2	4	8	All operations and waste storage is internal within self bunded buildings. Weather to be monitored and flood warning sites checked regularly during periods of potential flooding risk. Preparations include, cessation of waste acceptance, reinforcement of existing flood defences (i.e. sand bags/ barriers etc).	1	3	3

*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.