

APPENDIX 9.2 IN-COMBINATION CLIMATE CHANGE IMPACT ASSESSMENT

Construction Stage

A summary of potential In-Combination Climate Change Impacts (ICCI) and effects during the construction stage is provided in Table 1. The assessment is based on professional judgment informed by a review of individual technical assessments within the ES

Table 1 Construction Stage In-Combination Climate Impacts and Effects

Effect of Proposed Development on Receptors	Existing Design and Mitigation Measures	Climate Change Trend	Potential In-Combination Climate Impact on Individual Technical Effects or Embedded Mitigation	Is there a Significant In-Combination Climate Impact?	Additional Mitigation Required?
Traffic and Transport Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
N/A	N/A	N/A	Negligible	No significant In-Combination Climate Impact.	No additional mitigation required.
Air Quality Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
Exposure of sensitive receptors to dust from demolition and construction activities.	Control of dust would rely upon good site management and mitigation techniques including some that rely on water, such as ensuring effective water suppression during demolition.	Increased frequency and intensity of high temperatures: Drought conditions.	Drought conditions may reduce the availability of water for dust suppression mitigation measures, which would reduce the effectiveness of embedded mitigation measures.	Not significant due to mitigation measures which do not rely on water as committed to in the CEMP (e.g. covering stockpiles and minimising stockpile size).	No additional measures required. Temporary storage of water could be considered during the construction stage to be used for dust suppression in drought conditions.

Effect of Proposed Development on Receptors	Existing Design and Mitigation Measures	Climate Change Trend	Potential In-Combination Climate Impact on Individual Technical Effects or Embedded Mitigation	Is there a Significant In-Combination Climate Impact?	Additional Mitigation Required?
Human Health Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
N/A	N/A	N/A	Negligible	No significant In-Combination Climate Impact.	No additional mitigation required.

Operational Stage

A summary of potential ICCI and effects during the completed development stage is provided in Table 2. The assessment is based on professional judgment informed by a review of individual technical assessments within the ES.

Table 2 Operation Stage In-Combination Climate Impacts and Effects

Effect of Proposed Development on Receptors	Existing Design and Mitigation Measures	Climate Change Trend	Potential In-Combination Climate Impact on Individual Technical Effects or Embedded Mitigation	Is there a Significant In-Combination Climate Impact?	Additional Mitigation Required?
Traffic and Transport					
Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
N/A	N/A	N/A	Negligible	No significant In-Combination Climate Impact.	No additional mitigation required.
Air Quality					
Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
N/A	N/A	N/A	Negligible	No significant In-Combination Climate Impact.	No additional mitigation required.
Human Health					
Potential interactions of climate change with the identified effects are considered to be negligible, based on professional judgement and review of the topic ES chapter.					
N/A	N/A	N/A	Negligible	No significant In-Combination Climate Impact.	No additional mitigation required.