Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr & Mrs Michael O'rourke
Site Address	290 Kilnerbank, Huddersfield, HD5 9EJ
Description of Development	Proposed Single Storey Extension

Part 2: Climate Change Mitigation measures

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:
Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)
The extension will be constructed using high levels of insulation including insulated cavity walls, floor insulation and roof insulation. Energy-efficient double-glazed windows and doors will be installed together with low-energy LED lighting to reduce energy demand and heat loss.
Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)
Materials will be sourced locally where practicable and waste generated during construction will be minimised and recycled where possible. The development replaces an existing conservatory with a more thermally efficient structure.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The proposal will utilise the existing condensing gas boiler and highly insulated building fabric to improve energy efficiency. The roof design would allow future installation of renewable technologies such as solar photovoltaic panels if required.
Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)
The extension has been designed to maximise thermal performance through insulated walls, floors, roof, low-emissivity double glazing, reduced thermal bridging and improved airtightness details.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Surface water from the extension roof will discharge via the existing drainage system. Due to the small scale of the proposal, no significant increase in flood risk is anticipated.
Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures) (See sections 7 and 8)
Water-efficient fittings will be used where practicable and existing garden areas will largely remain available for natural drainage and infiltration.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The proposal relates to an existing residential garden and will retain the majority of the existing outdoor space. Additional planting may be incorporated where appropriate to support local biodiversity.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
The highly insulated construction, energy-efficient glazing and low-energy lighting will reduce operational energy demand and associated emissions. Construction activities will be managed to minimise dust and vehicle emissions.