Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Robert Napier
Site Address	Netherfield House 12 Riley Lane Kirkburton Huddersfield HD8 0RY
Description of Development	Erection of detached dwelling with associated landscaping

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 proposed dwelling will feature "state of the art" heating and electrical products optimised to reduce energy demand. This will be complemented by "smart" metering and fuel efficiency controls. External space is provided for drying washing naturally. The intended occupants of the dwelling are committed to the efficient management of energy consumption.
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)
The location and orientation of the proposed dwelling on an open plateau of undeveloped land utilises the existing topography and avoids unnecessary excavations and construction works. The development will utilise where practicable the existing infrastructure`to minimise disruption and achieve an efficient construction process. Every opportunity will be taken to source local labour. The need for efficient waste management will be incorporated into the building contract in an effort to further reduce CO2 emissions. Where possible there will be a presumption in favour of making use of construction materials which comply with LP24.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Whilst this proposal is for a single dwelling, it makes both economic and environmen

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 design and layout of the building are capable of making a significant contribution to the reduction of carbon emissions. The orientation of the building, the creative roof structure, room layout and use of glazing, particularly on the south/south west elevations, all offer opportunities to achieve a high level of efficiency in heating and cooling. This will be supported by effective insulation for walls, roofs and floors, and by optimal heating and lighting controls.
The proposed site is close to the village centre amenities and local transport, hence the proposed dwelling will make its contribution to continued sustainable development.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

The route and design of any proposed drainage will be subject to Yorkshire Water requirements, the preferred route will be through developed hard standing and driveway areas of the site minimising disruption to the natural environment. The project proposes an extensive soft landscaping scheme that would see the local environment preserved and maintained through native tree planting and habitat enhancing planting. This will greatly assist with any surface water run-off, as will the proposed grey water attenuation system.

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 saving measures will be taken and encouraged both during and after development. Rainwater harvesting will be practised as an everyday feature of garden maintenance. A sustainable grey water attenuation system is proposed to assist with managing water run-off. This recycled water will reduce water consumption and allow the proposed landscaping scheme to be maintained in a sustainable manner.

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

The opportunity will be taken to plant new, appropriate tree species combined with native wild flower, meadow and ground cover planting within a managed approach to developing and maintaining the semi-woodland gardens and to further encourage wildlife and new habitats. This will assist with sustainable drainage and the reduction of water run-off, whilst also contributing to the biodiversity of the site.

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

Air quality on the site will not be adversely affected by this proposed dwelling, if anything it is expected to be enhanced by the landscaping and environmental improvements proposed.