Appendix 3 Modelling Results

Modelling Software:	CADNA/A Version 2024

Modelled Scenarios:	• Day and night-time average noise levels across the site • Plant noise levels at sensitive receptors

Data inputs:	• Noise survey results • Topographical data for the site • Development layout

Calculation Algorithms Used:	• Calculation of Road Traffic Noise 1988 – Department of Transport • ISO 9613-1:1993 Acoustics-Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere • ISO 9613-2:1996 Acoustics-Attenuation of sound during propagation outdoors – Part 2: General method of calculation

Modelling Printout:

Scenario	Daytime 'average' noise levels (LAeq,16hr)

Scenario	Night-time 'average' noise levels (LAeq,8hr)

Scenario	Night-time maximum levels (LAmax)

Scenario	Daytime noise levels (LAeq,16hr). Garden levels.

Scenario	ASHP noise emissions (LAr,1hr). Includes benefit of acoustic attenuation.