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.