Reference: Aldi, Horsham
Project No: 2019527
Date: 13th December 2024

Technical Note 2

Re: Plant at Aldi, Horsham

Introduction

1 Sharps Redmore (SR) has been instructed to undertake a commissioning noise survey of plant installed at Aldi Tanbridge Retail Park, Albion Way, Horsham, RH12 1AJ.

2 Horsham District Council (HDC) granted permission for the store, application no.: DC/21/1413 dated 07/12/2022, with numerous conditions. Part of condition 19 is reproduced below:

"Within 3 months of the date of commissioning any new plant and operation of the store commencing, a further noise impact assessment shall be submitted which demonstrates the noise breakout from the site is in line with the expected levels outlined in the noise report. The assessment shall be undertaken in accordance with BS 4142: 2014 (or subsequent superseding equivalent) and current best practice and shall include full spectrum analysis to confirm that there is no tonality or other acoustically distinctive features present in the noise.

Any additional steps required to mitigate noise shall be detailed and implemented, as necessary. The post installation noise assessment shall be submitted to and approved in writing by the local planning authority. The details as approved shall thereafter be permanently retained."

3 The noise report stated in the condition is "R1(final)-7.6.21-Aldi Tanbridge Retail Park-2019527-GJK" by ourselves. The report states that rating levels should be no greater than the existing background levels. The noise levels stated within the report are the following

Table 1: Representative Background Levels ($L_{A90,T}$)

Daytime (0700-1900hrs)	Evening (1900 – 2300 hrs)	Night time (2300 – 0600hrs)
46 dB	37 dB	32 dB

4 This Technical Note details the commissioning noise survey undertaken in relation to the condition 19.

Noise Survey Details and Assessment

5 A commissioning noise survey was undertaken between Monday 2nd and Thursday 3rd December 2024 to measure the installed plant at representative locations of the nearest noise sensitive receptors.

6 Noise levels were recorded using Norsonic 140 and Norsonic 118 Class 1 sound level meters which were calibrated before and after the survey with no drift in accuracy found. Weather conditions throughout the noise survey were suitable for taking noise measurements.

7 Noise levels of plant were measured to be 47 dBA during the daytime and 45 dBA during the night at approximately 8m from the plant which included acoustic benefit from the closed boarded fence screening the plant. In this case, as the plant is operating in a steady state and continuously, to minimise any uncertainty in the noise levels measured due to other extraneous noise sources such as local traffic and the River Arun, which runs between the store and the nearest residential properties, we have used the $L_{Amin,}$ as being representative of noise from the installed plant.

8 The table below presents the plant noise assessment using the 2024 plant measured levels to the nearest noise sensitive receptor (NSR).

Table 2: Plant noise assessment

	Predicted noise levels to 11 River Mead (dBA)	
	Daytime (0700-2300)	Night (2300-0700)
Measured at 8m from plant	47	45
Distance correction to 34m	-13	-13
Predicted at 11 River Mead	34	32
Background L_{A90}	46	32
Difference	-12	0

9 As can be seen from the table above, the calculated noise level at 11 River Mead is well below the daytime representative background Level and is equal to / does not exceed the night-time background noise level. At other noise sensitive receptors, the noise level from the plant shall be even lower due to a greater distance than that above.

10 Based on our site observations, subjectively, noise at the nearest residential properties in River Mead was not considered to be tonal, intermittent of impulsive, therefore the specific noise level may be considered as the rating noise level.

11 The comparison in Table 2 demonstrates the noise from the plant installed at the store is in compliance with the adopted criteria in accordance with Condition 19 of the planning consent.

[redacted]