

Wokingham Borough Council
Shute End
Wokingham
Berkshire
RG40 1BN

21st December 2024

RE: Noise Impact at Indigo House, Mulberry Business Park, Wokingham

Following the email received from Mark Croucher on 9th December it was asked that a noise impact assessment should be submitted.

Noise Measurements have been submitted which indicate that the noise levels will meet the requirements for daytime noise as detailed in the table below.

Time Period	Average Noise Levels L_{Aeq} dB	Maximum Noise Levels L_{Aeq} dB
Daytime L_{Aeq} 16 Hour between 07:00 - 23:00 Hours	36.4 dB	-
Night time L_{Aeq} 8 Hour between 23:00 - 07:00 Hours	32.3 dB	37.1 dB

Habitable Space	Time Period	Noise Level Target
Resting/Sleeping (Daytime)	23:00 - 07:00	35 dB L_{Aeq} 16 Hour
Sleeping (Nighttime)	07:00 - 23:00	30 dB L_{Aeq} 8 Hour / 45 dB L_{Amax}

Additional measurements have been taken during the evening which can confirm as predicted that the noise levels would drop.

The noise measurements do as requested also include (L_{Amax}) which is detailed as Max. level on the reports. The reason for these being so high is as a very sensitive piece of equipment is used during the measurement and someone walking in the room during the measurement towards the equipment is to blame. The locations of the test have been shown on the attached plan.

It has also been detailed on both the daytime and evening measurements the conditions and any important information such as roadworks. I can confirm that during the daytime measurements it was an overcast day with heavy traffic and construction works. For the evening measurements it was a clear evening with low traffic and no works taking place.

Even with the levels as they are the development meets the requirements of the above table, but the applicant will be improving the rating by installing additional insulation on the external walls which will reduce noise by ca. 45dB but also improves the environmental credentials of the building. The surrounding buildings are also residential and do not have excessive noise.

The information detailed above is enough to comply with the requirements for a Noise Assessment and Mitigation.



The Mulberry Centre

Notes:
These Drawings have been produced by JE Architecture and are copyright of JE Architecture Ltd.
• Do not scale from this drawings
• All dimensions are in millimeters
• All dimensions to be checked on site

These Plans are for Planning Purposes Only

D	23.10.2024	Layout Amendments
C	14.10.2024	Amendments from Client Meeting
B	10.10.2024	Class MA Application Amended
A	01.10.2024	Class MA Application Prepared
	14.08.2024	Planning Application Prepared
Rev	Date	Comments



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Client:
Mr. Arjun Gill

Project Address:
Indigo House
Mulberry Business Park
Wokingham
Berkshire
RG41 2GY

Drawing Status:
PRELIMINARY

Drawn On:
Friday 20 December 2024

Drawn By:
Jack Eddy

Scale:
1:200@A1

Drawing Title:
Site Layout Plan

Drawing Number:
JEA-LAY-004d



Noise measurement report

Date: 19/12/2024, 10:50

Operator: Jack Eddy

Place: Ground Floor North Elevation (Location 1)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
LAeq	33.8 dB
Max. level	41.2 dB
LCpeak	62.3 dB
TWA	16.5 dB
Dose	%
Projected dose	%

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 10:52

Operator: Jack Eddy

Place: Ground Floor South Elevation (Location 2)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	32.9 dB
Max. level	40.9 dB
L _{Cpeak}	62.1 dB
TWA	16.3 dB
Dose	%
Projected dose	%

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 10:48

Operator: Jack Eddy

Place: Ground Floor North Elevation (Location 3)

Measurement results

Measurement time (hh:mm:ss)	00:00:34
LAeq	35.1 dB
Max. level	81.9 dB
LCpeak	66.0 dB
TWA	18.7 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 10:47

Operator: Jack Eddy

Place: Ground Floor South Elevation (Location 4)

Measurement results

Measurement time (hh:mm:ss)	00:00:34
LAeq	32.6 dB
Max. level	67.3 dB
LCpeak	54.9 dB
TWA	15.4 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 11:06

Operator: Jack Eddy

Place: First Floor North Elevation (Location 1)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	31.8 dB
Max. level	86.0 dB
L _{Cpeak}	76.1 dB
TWA	16.8 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 11:14

Operator: Jack Eddy

Place: First Floor South Elevation (Location 2)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	30.7 dB
Max. level	45.2 dB
L _{Cpeak}	51.3 dB
TWA	12.4 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 11:21

Operator: Jack Eddy

Place: First Floor North Elevation (Location 3)

Measurement results

Measurement time (hh:mm:ss)	00:00:28
L _{Aeq}	31.6 dB
Max. level	41.6 dB
L _{Cpeak}	61.5 dB
TWA	13.9 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 11:27

Operator: Jack Eddy

Place: First Floor South Elevation (Location 4)

Measurement results

Measurement time (hh:mm:ss)	00:00:28
LAeq	29.2 dB
Max. level	42.9 dB
LCpeak	52.7 dB
TWA	11.2 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Overcast day with heavy traffic and construction works. Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:21

Operator: Jack Eddy

Place: Ground Floor North Elevation (Location 1)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	31.6 dB
Max. level	52.4 dB
L _{Cpeak}	49.8 dB
TWA	14.7 dB
Dose	%
Projected dose	%

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:25

Operator: Jack Eddy

Place: Ground Floor South Elevation (Location 2)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
LAeq	31.2 dB
Max. level	39.9 dB
LCpeak	50.1 dB
TWA	14.9 dB
Dose	%
Projected dose	%

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:31

Operator: Jack Eddy

Place: Ground Floor North Elevation (Location 3)

Measurement results

Measurement time (hh:mm:ss)	00:00:34
L _{Aeq}	31.8 dB
Max. level	59.7 dB
L _{Cpeak}	54.1 dB
TWA	14.8 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:35

Operator: Jack Eddy

Place: Ground Floor South Elevation (Location 4)

Measurement results

Measurement time (hh:mm:ss)	00:00:34
LAeq	30.8 dB
Max. level	58.6 dB
LCpeak	53.7 dB
TWA	14.6 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:49

Operator: Jack Eddy

Place: First Floor North Elevation (Location 1)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	29.8 dB
Max. level	35.9 dB
L _{Cpeak}	49.6 dB
TWA	12.1 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:54

Operator: Jack Eddy

Place: First Floor South Elevation (Location 2)

Measurement results

Measurement time (hh:mm:ss)	00:00:31
L _{Aeq}	31.1 dB
Max. level	43.7 dB
L _{Cpeak}	51.7 dB
TWA	11.9 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 20:57

Operator: Jack Eddy

Place: First Floor North Elevation (Location 3)

Measurement results

Measurement time (hh:mm:ss)	00:00:28
L _{Aeq}	25.8 dB
Max. level	36.2 dB
L _{Cpeak}	49.9 dB
TWA	11.2 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.



Noise measurement report

Date: 19/12/2024, 21:03

Operator: Jack Eddy

Place: First Floor South Elevation (Location 4)

Measurement results

Measurement time (hh:mm:ss)	00:00:28
L _{Aeq}	24.8 dB
Max. level	34.6 dB
L _{Cpeak}	51.1 dB
TWA	10.9 dB
Dose	0.0 %
Projected dose	0.0 %

Notes

Placed in the middle of the floor as per the position show on site plan prepared by JE Architecture LTD.

Clear evening with low traffic and no works taking place.

Windows were closed during the measurement.