SITE survey. APP

SITE SURVEY REPORT

Occupational Noise Monitoring Record

Prepared for	Northbrook Joinery Ltd
Date	8 Oct 2026
Site	Northbrook Joinery, Darlington
Prepared by	M. Thornton

FORM

Occupational Noise Monitoring Record

1. Record details and scope

Project	Northbrook Joinery, Darlington: workshop noise monitoring
Client or organisation	Northbrook Joinery Ltd
Site or premises address	Unit 2, Quarry Road Industrial Estate, Darlington DL1
Record date	8 Oct 2026
Person completing the record	M. Thornton

This records workplace noise measurements. It is not an environmental noise complaint report or an audiometry record. The exposure points are an estimate from the levels and durations entered, not the noise risk assessment.

HSE guidance requires representative evidence for occupational noise exposure assessment. Record the measurement method, task duration and uncertainty so a competent assessor can interpret the readings. Sources: The Control of Noise at Work Regulations 2005 and HSE guidance L108, Controlling noise at work.

2. Measurement plan

Survey purpose and covered tasks	Measure noise in the machine shop to inform the noise risk assessment. Tasks: panel saw, planer-thicknesser and assembly.
Competent surveyor	M. Thornton, occupational hygienist, competence record HYG-07
Method and applicable guidance reference	Task-based measurements to client procedure NM-01 rev 2, with reference to HSE guidance L108
Meter, microphone and calibrator IDs	Sound level meter SLM-03, microphone MIC-03, acoustic calibrator AC-02
Calibration records and pre/post field checks	SLM-03 and MIC-03 lab certificate CAL-SLM-0326, AC-02 certificate CAL-AC-0326. Field check 94.0 dB before and 94.1 dB after.

3. Measurement runs

Measurement run 1: Machine shop, panel saw, saw operator

Location, task and anonymised role	Machine shop, panel saw, saw operator
Start, finish and representative task duration	09:05 to 09:20, task about 3 hours per shift
Measurement metric, weighting and settings	LAeq and LCpeak, fast response

Other readings and units, if any	LAeq 91 dB, LCpeak 118 dB
LAeq (dB(A))	91
Peak sound pressure, LCpeak (dB(C))	118
Typical time a day on this task (hours)	3
Exposure points for this task	149
Peak against the action values	Below the peak action values
Operating conditions, events and exclusions	Cutting 18 mm MDF, extraction running. Microphone about 0.1 m from the operator's ear.
Raw data file reference	NM-NBJ-0917-01.csv

Photos of the measurement position



Measurement run 2: Machine shop, planer-thicknesser, machinist

Location, task and anonymised role	Machine shop, planer-thicknesser, machinist
Start, finish and representative task duration	09:40 to 09:55, task about 1.5 hours per shift
Measurement metric, weighting and settings	LAeq and LCpeak, fast response
Other readings and units, if any	LAeq 96 dB, LCpeak 122 dB
LAeq (dB(A))	96
Peak sound pressure, LCpeak (dB(C))	122
Typical time a day on this task (hours)	1.5
Exposure points for this task	236

Peak against the action values	Below the peak action values
Operating conditions, events and exclusions	Planing oak boards. A 2 minute pause for a jam was excluded from the run.
Raw data file reference	NM-NBJ-0917-02.csv

Photos of the measurement position



Measurement run 3: Assembly bench, assembler

Location, task and anonymised role	Assembly bench, assembler
Start, finish and representative task duration	10:20 to 10:50, task about 5 hours per shift
Measurement metric, weighting and settings	LAeq and LCpeak, fast response
Other readings and units, if any	LAeq 78 dB, LCpeak 136 dB
LAeq (dB(A))	78
Peak sound pressure, LCpeak (dB(C))	136
Typical time a day on this task (hours)	5
Exposure points for this task	12
Peak against the action values	At or above the lower peak action value (135 dB(C))
Operating conditions, events and exclusions	Intermittent nail gun use, the peak came from the nail gun. Noise from the panel saw bay next door included.
Raw data file reference	NM-NBJ-0917-03.csv

Daily exposure estimate

Exposure points add up across a working day, as in HSE's ready-reckoner: 32 points is about 80 dB(A) daily exposure (the lower exposure action value) and 100 points is 85 dB(A) (the upper exposure action value). The estimate depends on the levels and times entered, ignores hearing protection and does not replace the noise risk assessment.

Worker group 1: Office and despatch

Anonymised role or worker group	Office and despatch

Tasks in a typical day 1: Despatch bay, door to the shop open

Task	Despatch bay, door to the shop open
LAeq for this task (dB(A))	72
Hours a day on this task	3
Exposure points	2
Daily exposure points	2
Against the exposure action values	Below the lower exposure action value

Worker group 2: Assembler

Anonymised role or worker group	Assembler

Tasks in a typical day 1: Assembly bench

Task	Assembly bench
LAeq for this task (dB(A))	78
Hours a day on this task	5
Exposure points	12

Tasks in a typical day 2: Cutting at the panel saw

Task	Cutting at the panel saw
LAeq for this task (dB(A))	91
Hours a day on this task	1
Exposure points	50
Daily exposure points	62
Against the exposure action values	At or above the lower exposure action value (80 dB(A))

Worker group 3: Machinist (panel saw and planer)

Anonymised role or worker group	Machinist (panel saw and planer)

Tasks in a typical day 1: Panel saw

Task	Panel saw
LAeq for this task (dB(A))	91
Hours a day on this task	3
Exposure points	149

Tasks in a typical day 2: Planer-thicknesser

Task	Planer-thicknesser
LAeq for this task (dB(A))	96
Hours a day on this task	1.5
Exposure points	236

Tasks in a typical day 3: Setting out and cleaning

Task	Setting out and cleaning
LAeq for this task (dB(A))	78
Hours a day on this task	2
Exposure points	5
Daily exposure points	390
Against the exposure action values	At or above the upper exposure action value (85 dB(A))
Groups at or above the upper action value	1
Groups between the lower and upper action values	1
Runs with a peak at or above 137 dB(C)	0

> At or above an upper action value. Under the Control of Noise at Work Regulations 2005 this brings duties such as a programme of control measures, hearing protection zones and the use of hearing protection. Pass these results to the person responsible for the noise risk assessment.

4. Interpretation and handover

Uncertainty and representativeness limitations	Short samples taken on one morning. Workload changes with orders. Task durations are the supervisor's estimates and the points on the daily exposure page depend on them.
Separate exposure calculation and risk assessment reference	Daily exposure calculation NE-NBJ-0917 and noise risk assessment RA-NBJ-12, both held separately
Immediate concerns and person informed	Planer machinist was not wearing hearing protection during the run. Workshop supervisor P. Lund told at 09:58.
Technical reviewer	K. Osei, senior hygienist

5. Actions and review

Are further actions required?	Yes

Further action 1: Put up hearing protection signs at the panel saw and planer and brief the shop.

Action and evidence reference	Put up hearing protection signs at the panel saw and planer and brief the shop.
Person responsible	P. Lund
Target date	15 Oct 2026
Action status	Completed
Completion evidence	Signs fitted and toolbox talk held 10 October, attendance sheet TBT-1010.

Further action 2: Confirm actual task durations per shift for the exposure calculation.

Action and evidence reference	Confirm actual task durations per shift for the exposure calculation.
Person responsible	P. Lund
Target date	22 Oct 2026
Action status	Open
Open actions	1
Outstanding limitations and information to pass on	Exposure calculation waits on confirmed task durations. Spindle moulder not running on the day, not measured.
Record status	Ready for review
Reviewed by	K. Osei
Review date	12 Oct 2026

Author signature



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