



Envirocare
CONSULTANCY

NOISE SURVEY AT

SITE NAME,

LOCATION

Date of Survey:
Carried out by:
Report No:
Date of Report:

INTRODUCTION

The survey will be conducted to ensure that client name, site, attains compliance with the current Control of Noise at Work Regulations 2005. The survey will be undertaken for either initial baseline assessment or to reassess the noise levels present at the site. The report and its data can be used as a basis for the site to update their noise risk assessment for the workplace. There is further guidance in the appendix of the final report and the information section of the Regulations.

As recommended by the Control of Noise at Work Regulations 2005, the surveying will consist of three elements at the site to include:

- Static measurements displayed on a colour coded diagram (*See example figure at end*)
- Personal exposure measure measurements (*see example table at the end*)
- Frequency band analysis.

Background noise levels, noise emitted from each of the machines and tools and operator exposure levels in each department will be measured. This will also include noise such as radios and central radio and tannoy speaker systems.

REPORTING

Following completion of the on-site practical work a comprehensive customised report will be written, giving full details of the sampling methodology, technical data, equipment and procedures used. This report will identify the personnel and/or tasks where daily exposure to noise has the potential to exceed the exposure limit values of 80 and 85dB(A). It will highlight any issues where action needs to be taken to protect employees from noise induced hearing loss.

Thus, Envirocare's noise surveys and reports ensure that the client has all the information they require to carry out their noise risk assessment as required by the regulations.

Recommendations will also be made the report regarding the following:

- Suitability of the type of the ear defenders provided
- General PPE and training requirements
- Designation of Hearing Protection Zones and Noise Hazard Areas
- Noise reduction strategies
- Best Working practices
- Health surveillance requirements
- Other noise related issues specific to the client's situation.

TIMETABLE OF EVENTS

Reports are typically issued within three weeks of the site work being completed although we can work to tighter deadlines where the client requires it.

NOISE RISK ASSESMENT TOP TIPS

- The regulations state that the noise risk assessment should be reviewed, updated and recorded, when there is any change in your workplace or employee exposure. Even if it is considered there have been no changes, the risk assessment should be reviewed at least every two years. This may or may not require another noise measurement survey that this report is based on.
- Some workers may need to have particular consideration, such as those with a pre-existing

hearing condition, deafness family history (if known), pregnant women, inexperienced and young people. The Management of Health and Safety at Work Regulations 1999 prohibits employers from employing anyone under 18 where there is a risk to health from noise.

- Consider other exposure effects in the workplace as some studies have suggested that there is a link between exposure to hand-arm vibration and hearing loss, and particular chemicals (e.g. solvents such as toluene) and noise exposure. This means that workers who are exposed to these combinations may be more vulnerable to noise-induced hearing loss than for individual agents alone. If it is considered that there is a potential increased risk of hearing damage then consider whether their exposure can be limited by reducing the time spent on particular tasks. It may also be necessary to increase the frequency of health surveillance for those workers and monitor the results.
- Consult with workers concerned and their representatives to inform, seek advice, help and co-operation. This may help with compliance with hearing protection policies.
- Audiometric testing of all employees exposed to hazardous noise levels (85dB(A) and above, or at lower levels where the assessment shows it necessary, should be undertaken regularly to ensure that the control measures and systems are working effectively.

APPENDIX

LEGISLATION

Duties under the Control of Noise at Work Regulations 2005

Under the "Control of Noise at Work Regulations 2005" (the Noise Regulations 2005), the employer has to take certain basic steps where an employee is likely to be exposed to noise at or above the "Lower Exposure Action Value (LEAV)". For this purpose noise levels must be measured as "Daily Personal Noise Exposure Levels, $L_{EP,d}$ "

Action level	Definition	Employer's Responsibility
Lower (EAV)	Daily personal exposure ($L_{EP,d}$) of 80-85dB(A) (taking no account of hearing protection).	Exposure between Lower & Upper requires employer to provide protectors to employees who ask for them. Not compulsory to be worn.
Upper (EAV)	Daily personal exposure ($L_{EP,d}$) of 85dB(A) (taking no account of hearing protection).	Exposure above Upper level requires employer to provide protectors to all workers and to ensure that they are used. Employees have a duty to protect themselves.
Exposure Limit Value (ELV) Dose	Daily (or weekly) (8hr) dose of any employee, including use of hearing protection, must be below 87dB(A) .	Employer must ensure that any hearing protection provided must be satisfactory to deal with the type of noise encountered.
Exposure Limit Value (ELV) Peak	A peak sound pressure level of 200 pascals (Lower EAV of 135dB referenced to 20µPa, Upper EAV of 137dB, Peak ELV of 140dB; (all dBC)).	Exposure above Peak level requires employer to provide protectors to all workers and to ensure that they are used. Employees have a duty to protect themselves.
Weekly Average Exposure Dose	Exposures may be calculated over a week rather than a day where noise varies greatly.	

Figure 1 , Noise Survey in department of client site on Date

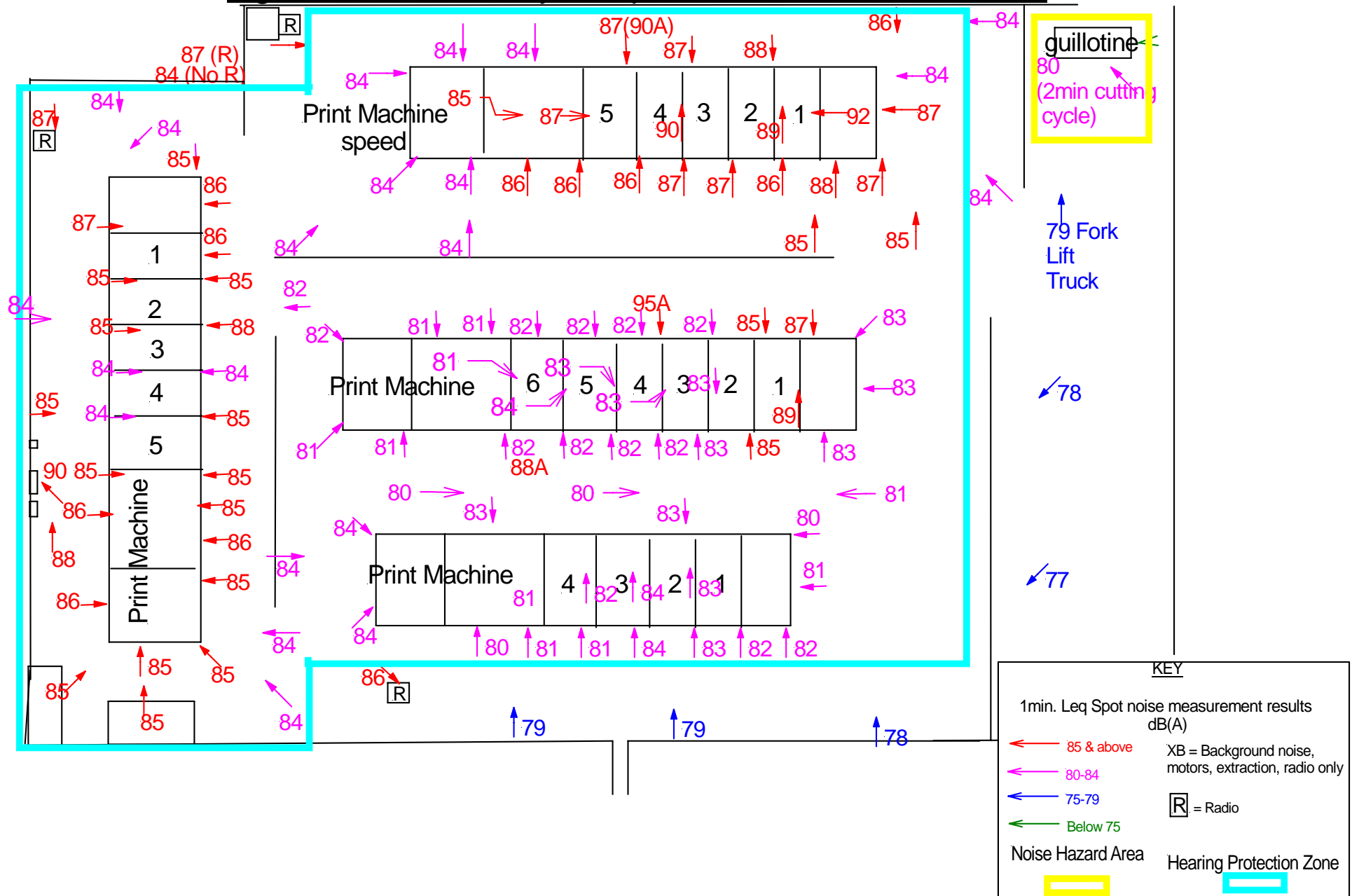


Table 1 - Noise Exposure Survey at Client Name on Dates - Projected Personal Noise Exposure Levels

Area/Operator/Machine	Monitoring Ref. No.	Monitoring Time (hrs)	Flag Raise	Projected Personal Noise Exposure Levels LEP,d		
				Dosimeter result*	Normal Shift**	Overtime Shift***
Main Printing Room						
Name, Machine, No.	1	02:55:28		83	85	-
Name, Machine, No.	2	02:48:09		82	83	-
Name, Machine, No.	3	02:52:16	#	84	85	-
Name, Machine, No.	4	02:47:46	#	83	85	-
Name, Machine, No.	5	02:53:36		91	92	-
Name, Machine, No.	6	02:37:32	#	87	89	-
Name, Machine, No.	7	03:13:09		80	82	-
Finishing Department						
Name, Machine, No.	8	02:54:33		83	82	82
Name, Machine, No.	9	02:41:38	#	86	85	85
Name, Machine, No.	10	02:32:32		84	83	83

See Noise Report for details & significance of flag raise.

* Based on an 8-hr working time - no breaks included.

**Based on a 7hr actual work time(7.5hr shift less total breaks of 0.5hrs) -Finishing Dept Only

** Based on a 11.5-hr actual working time -(12hr shift less total breaks of 0.5hrs) for all other depts

*** Based on an 8-hr actual working time - (Normal shift plus 1 hr) - Finishing Only

Block Shading Key dB(A)		
X	X	X
Below Lower Action Value	Above Lower but below Upper	Above Upper Action Value