



Noise Assessments

Reviewed by Operations

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Revision 2

Regulations

NOISE AT WORK REGULATIONS

WARNING

Excessive Levels of Noise will Damage your Hearing

Once this Damage occurs there is no cure. Hearing aids do not correct this damage

Prevention is only the answer

It has been established that exposure to noise levels above 85 Decibels over long periods of time could have an adverse affect on your hearing.

Noise levels on a typical construction site will at all times exceed this level.

To avoid the risk of hearing damage you should:

- a) Avoid if possible working in areas of high noise or near noisy plant and machinery.
- b) Wear ear defenders or ear plugs when working in areas of high noise levels.

Ear defenders or ear plugs are available for your use through your supervisor. If you require this type of personal protective equipment ask your supervisor for it.

Noise levels over 85 Decibels WILL damage your hearing unless you wear hearing protection.



Plant, equipment or areas of the site where this is displayed have been assessed as Hearing Protection Zone and Ear Protection must be worn when using or working near the equipment or working within the designated area. Further details of Noise Emissions, specific assessments and effectiveness of hearing protection are available from the site office.

Or your supervisor will inform you of the need to wear hearing protection.

Remember hearing protection must be worn where you see this sign or when instructed by your supervisor.

At other times Hearing Protection is available for your use on request.

IT IS YOUR HEARING LOOK AFTER IT

Guidance – Employer / Employee Requirements

EMPLOYERS DUTIES

No Action Value is Exceeded:

- Reduce the risk of hearing damage so far as reasonably practicable.

Lower Exposure Action Value is Exceeded:

- Reduce the risk of hearing damage so far as reasonably practicable
- Inform, instruct and train employees on the risks to hearing, what they can do to reduce exposure and how to get ear protection if the require it
- Provide ear defenders to those who ask and maintain or repair
- Provide information, instruct and train on use and maintenance of equipment.

Upper Exposure Action Value is Exceeded:

- Reduce the risk of hearing damage so far as reasonably practicable (other than PPE)
- Reduce exposure to noise so far as reasonably practicable (other than PPE)
- Inform, instruct and train employees on the risks to hearing and their obligations
- Set up Ear protection Zones (EPZ) if practicable
- Provide ear defenders to all exposed
- Ensure ear protection is worn at all times so far as reasonably practicable
- Maintain ear protection
- Ensure all who enter EPZ wear ear protection so far as reasonably practicable
- Ensure that all control measures are used and maintained.

EMPLOYEES DUTIES:**Below Lower Exposure Action Level:**

- Use any control measures provided

Upper Exposure Action Value is Exceeded

- Use any control measure provided (other than PPE)
- Wear PPE in accordance with training
- Report defects in control systems.

Plant Assessed

Plant	Technical Information
Soilmec CM70	3126B CATERPILLAR 6 CYLINDER 187KW
Soilmec CM50	5.9L CUMMINS QSB TURBO DIESEL 6 CYLINDER
Soilmec R312	5.9L CUMMINS QSB TURBO DIESEL 6 CYLINDER
Soilmec SF50	6.7 CUMMINS QSB 6 CYLINDER TIER 3
Soilmec SF65	C7 CATERPILLA 6 CYLINDER 7.2L TIER 3
Soilmec SF70	C7 CATERPILLA 6 CYLINDER 187KW TIER 3
Soilmec SR30	6.7 CUMMINS QSB TIER 4
Pump	Perkins 1100 Series / Deutz Model TD2.9 L4

Plant - Soilmec CM70 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling CM70 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		89.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB(A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec CM50 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling CM50 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		82.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		No

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec SF50 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling SF50 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		83.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		No

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec R312 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling R312 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		86.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec SF 65 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling SF 65 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		84.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		No

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec SR 30 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling SR 30 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		86.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec SF70 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling SF70 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		87 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant - Soilmec CM50 (Piling Rig)

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Piling CM50 (Piling Rig + Plant)
PEOPLE EFFECTED	4 Men Piling Gang
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		86.6 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.

Plant – Pump Perkins 1100 Series / Deutz Model TD2 2.9 L4

COMPANY	Rock & Alluvium Ltd
ACTIVITY	Pumping Concrete
PEOPLE EFFECTED	Pump Operator
DISTANCE	Within 10m
NOISE METER USED	Monacor SN:001079-01
CALIBRATOR USED	Yes

NOISE SOURCES		TOTAL TIME MONITORED
Piling works during a normal working day		8 hrs
TOTAL DAILY AVERAGE EXPOSURE		92.4 dB(A) LEpd
80 dB(A) LEpd EXCEEDED		Yes
85 dB(A) LEpd EXCEEDED		Yes

RECOMMENDED ACTIONS:

Remind operatives of risks to hearing from noise levels above 80dB (A), i.e. at all times on site during piling operations.

Make hearing protection available to all at each work site.