

NZS 6803:1999(Scope Only)

New Zealand Standard

Acoustics – Construction Noise

Superseding NZS 6803P:1984

NZS 6803:1999(Scope Only)

COMMITTEE REPRESENTATION

This Standard was prepared by the Acoustics – Construction Noise Committee (EV/10/9) for the Standards Council established under the Standards Act 1988. The Committee consisted of representatives from the following organizations:

Nominating Organisation

Acousafe Consulting and Engineering
Bel Acoustic Consulting
Building Industry Authority
Hegley Acoustic Consultants
Local Government New Zealand
Malcolm Hunt Associates
Marshall Day Acoustics
Ministry for the Environment
National Environmental Noise Service
New Zealand Contractors Federation
New Zealand Institute of Environmental Health
Philip Dickinson Acoustics

ACKNOWLEDGEMENT

This project was funded by the Ministry of Health as part of its strategy to improve, promote and protect public health. The voluntary contribution of time by the above listed representatives is acknowledged.

NZS 6803:1999(Scope Only)

New Zealand Standard

Acoustics – Construction Noise

Approved by the Standards Council on 20 December 1999 to be a standard specification pursuant to the provisions of section 10 of the Standards Act 1988.

First published: 9 February 2000

The following SNZ references relate to this Standard:

Project No. P 6803

Draft for comment No. DZ 6803

Printing code: 200-2000/7054/16213

Typeset by: Standards New Zealand

Printed by: Anco Print

The users of this Standard should ensure that their copies of the above-mentioned New Zealand Standards and referenced overseas Standards are the latest revisions or include the latest amendments. Such amendments are listed in the annual *SNZ Catalogue* which is supplemented by lists contained in the monthly magazine *Standards Update* issued free of charge to subscribing members of Standards New Zealand.

COPYRIGHT

The copyright of this document is the property of the Standards Council. No part of it may be reproduced by photocopying or by any other means without the prior written permission of the Chief Executive of Standards New Zealand unless the copying is carried out by or on behalf of a Territorial Authority in the process of preparing its local bylaw, or the circumstances are covered by Part III of the Copyright Act 1994.

Standards New Zealand will vigorously defend the copyright in this Standard. Every person who breaches Standards New Zealand's copyright may be liable to a fine not exceeding \$50,000 or to imprisonment for a term not to exceed three months. If there has been a flagrant breach of copyright, Standards New Zealand may also seek additional damages from the infringing party, in addition to obtaining injunctive relief and an account of profits.

NOTES

NEW ZEALAND STANDARD

Acoustics – Construction Noise

1 SCOPE

1.1

This Standard sets out procedures for the measurement and assessment of noise from existing and proposed construction work, including maintenance and demolition work. The Standard recommends noise limits for construction noise and provides guidance concerning methods of predicting and managing construction noise. The Standard should be read in conjunction with NZS 6801:1999 *Acoustics – Measurement of environmental sound*.

1.2

The Standard can be used by local authorities in setting noise limits to reduce the likelihood of annoyance, nuisance and adverse health effects to people in the vicinity of construction work. It may be cited in local authority plans and resource consents as a method of measurement, assessment, and means of compliance with noise rules. Where there are no applicable rules, it can be used as a guide to appropriate numerical noise limits, measurement, assessment and noise mitigation measures. This Standard is also intended to enable developers, site operators and works contractors to manage noise emissions associated with construction work (including maintenance and demolition work).

1.3

This Standard covers sound from construction work which is of a limited duration. Where the sound from construction activity is part of the overall sound emission from an ongoing land use activity, then the sound should be assessed using NZS 6802 or other appropriate Standards.

1.3.1

Examples of activities this Standard can be used to assess are:

- (a) *A new container crane at a port;*
- (b) *A haul road for metal to be used in a batching plant during concrete work for a dam;*
- (c) *A perimeter drain or a noise bund around an open cast mine or quarry or installation of relocatable noise barriers;*
- (d) *Demolition of a structure, alterations or additions to buildings, road reconstruction or re-alignment.*

Examples of activities to which this Standard is not intended to apply are:

- (e) *Ongoing activities from a site, for example quarrying, landfills;*
- (f) *Manufacture of plant, equipment or facilities on one site which are transported off the site, for example sites used for the ongoing construction of pre-fabricated buildings or building components.*

1.4

Risks to workers' health associated with noise induced hearing loss are outside the scope of this Standard. Effects of noise upon wildlife, stock, or domestic animals are not considered. This Standard does not cover vibration.

1.5

This Standard does not apply to emergency works as defined in the Resource Management Act 1991.

NOTES

© 1999 Standards New Zealand

Standards New Zealand

Private Bag 2439

Wellington

6140

Telephone: (04) 498 5990

Fax: (04) 498 5994

Website: www.standards.co.nz
