



Safety Lines

No. 56, December 2002

2002 National Forklift Competition

The top twelve forklift operators in New Zealand were brought to Auckland on 13 and 14 November, to compete against each other for the coveted title of National Champion in the 2002 Nissan National Forklift Drivers' Competition. Competing for over \$7500 in cash, prizes and trophies, competition was intense, with the winner also receiving a trip for two to the 2003 Formula One Grand Prix in Melbourne.

The competition had been run in eight regions since July. Each of the regional winners automatically qualified for the National Final, along with the top four of all remaining competitors.

The National Forklift Drivers' Competition has been held every year since 1992 and this year was sponsored by Nissan Forklifts, Loadlift Equipment, OSH and Mainfreight.

Charles Reid, CEO of Loadlift Equipment, outlined the main objectives of the event as being to promote safety and productivity in the workplace and to assist



'In the heat of the competition'

Photo courtesy of Safeguard Publishing

forklift operators to further develop and enhance their skills, so both employers and employees benefit from their involvement.

OSH inspectors made up the judging panel headed by Chief Judge Maurice Flood. Maurice said the skills shown were again of a very high standard, and he praised the efforts of all the competitors.

Continued ...

The 2002 National Finals saw a good cross section of industries represented with over 300 competitors from the regions being narrowed down to the top twelve.

The two-day event consisted of completing five on-course practical assessments using different configurations to test their skill levels, a comprehensive forklift pre-operational check and six theory examination papers. All the results were collated after the final round with nobody knowing their actual placing throughout the event.

The twelve finalists were:

Paul Biles	Amcor Kiwi Packaging	Hastings
Chris Bown	Polarcold Stores	Timaru
Leon Cassidy	Cerebos Greggs	Auckland
Paddy Didovich	CHH Consumer Brands	Te Rapa
Marsh Edmonds	Loadlift Equipment	Auckland
Malo Fata	Foodstuffs	Auckland
Andy Isle	TNL Freightling	Nelson
Stuart Mitchell	Fisher & Paykel	Dunedin
Mike Pennall	NZ Milk Processors	Pahiatua
Wally Rota	Tranz Rail	Hamilton
Mark Sutton	Woolworths Distribution	Christchurch
Andrew Toye	Juken Nissho	Masterton

The final round was conducted in front of an invited audience, followed by the presentation function held at Loadlift Equipment, Penrose.

Announcing the winners and presenting them with their well earned prizes, was Secretary of Labour, Mr John Chetwin, who, in his address, said that OSH was supportive of bringing a variety of industries together to demonstrate 'best practice' under simulated workplace conditions.

The winners were:

1st place	Mike Pennall	NZ Milk Processors	Pahiatua
2nd place	Chris Bown	Polarcold Stores	Timaru
3rd place	Andy Isle	TNL Freightling	Nelson

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Inspection Body Recognition Process

The list of recognised inspection bodies on our website continues to grow, and not infrequently Engineering Safety is asked by potential inspection bodies and other interested parties about the method of gaining recognition. Others may also be interested to know what it takes to become 'recognised'.

New Zealand Inspection Bodies

The Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999 [known as the PECPR Regulations] stipulate, in regulation 25(1), the conditions to be met for recognition of a New Zealand inspection body. These are paraphrased as follows:

- (a) Accredited to a recognised standard by IANZ or NATA
- (b) Operates in Australia or New Zealand
- (c) Has a procedure to ensure every design verifier and equipment inspector has a certificate of competence
- (d) Has a procedure to ensure every trainee design verifier and trainee equipment inspector is appropriately qualified, is suitable for the position, and is effectively supervised
- (e) Has a procedure to ensure design verification is carried out only by an appropriately qualified design verifier
- (f) Has a procedure to ensure equipment inspection is carried out only by an appropriately qualified equipment inspector
- (g) Has given Engineering Safety the opportunity to participate in an assessment by IANZ or NATA
- (h) Is likely to work in an objective fashion promoting safety and the public interest
- (i) No conflict of interest between its duties as an inspection body and any other work the organisation undertakes.

An assessment, based on the above conditions, is undertaken by Engineering Safety, with the intended result of making a recommendation to the Secretary of Labour to recognise the organisation as an inspection body in terms of the PECPR Regulations. Some of these conditions are relatively easy to assess, requiring the establishment of a particular fact. Others

require the examination of procedures and other documents and often much explanatory correspondence.

The expected standard of compliance in (a) is AS/NZS ISO/IEC 17020:2000 General criteria for the operation of various types of bodies performing inspection. A detailed examination of relevant formal procedures is necessary to establish compliance with (applicable) conditions (c), (d), (e) and (f). Conditions (h) and (i) necessitate a review of company policy statements and organisational structure, in addition to cognisance of the organisation's reputation (where an established company is involved). It is also usual to examine typical (or even all) relevant staff CVs, and this aspect becomes very important with small organisations.

Overseas Inspection Bodies

Regulation 25(2) has only two alternative conditions for an overseas inspection body, and basically these are:

- (a) Accredited to a recognised standard by an organisation having a mutual recognition arrangement with IANZ; or
- (b) Has the status as an inspection body in the country where it has its headquarters, and that country imposes requirements comparable with the PECPR Regulations.

Due to the current lack of bodies having a mutual recognition arrangement with IANZ, only condition (b) has been applied to date.

Superficially it looks as though it is easier for an overseas organisation to gain recognition. However, the rigorous application of the second part of condition (b) ensures that this is not the case. With the exception of Engineering Safety participation in accreditation assessments, and obviously the fact that the organisation doesn't operate in Australia or New Zealand, all of the same criteria as for New Zealand inspection bodies are applied. In the case of the accreditation, an appropriate organisation will need to be identified, such as United Kingdom Accreditation Service (UKAS). Additional to procedure examination, organisation structure, relevant CVs and work examples are reviewed. In the case of design verification, a sound understanding of New Zealand seismic requirements needs to be demonstrated.

As a consequence of the remoteness of overseas inspection bodies, a conservative approach to

assessment tends to mitigate in favour of well-established bodies with a sound national (and preferably international) reputation.

The Process

In broad outline, the recognition process is as follows:

1. The prospective inspection body applies in writing to Engineering Safety, or directly to the Secretary of Labour, seeking New Zealand recognition as an inspection body. (Often there is some preliminary approach to establish the process and requirements).
2. Engineering Safety carries out the assessment as previously described. When it is satisfactory, a recommendation and draft letter of recognition are prepared.
3. The assessment, recommendation and other pertinent documents are peer reviewed within Engineering Safety.

4. The recommendation and control documents are forwarded to the Secretary of Labour for approval.
5. In normal circumstances the recommendation will be accepted and the organisation is notified of its recognition.
6. The organisation is added to the list of recognised inspection bodies on the Engineering Safety website.

Depending on the state of preparedness of the applicant organisation, the suitability of the application, and timing of assessment participation by Engineering Safety, the process may only take a few weeks to complete.

A full list of recognised inspection bodies is available on the Engineering Safety website at:

www.osh.dol.govt.nz/touch/eng-safety/index.shtml

Competent Person

Several standards and codes of practice (e.g. *Approved Code of Practice for Load-lifting Rigging* 5.12; *Approved Code of Practice for Cranes* 11(2)(4)) call for a competent person to perform certain tasks. Consequently, Engineering Safety is often asked how to define a competent person.

A good definition is to be found in AS/NZS 1200:2000 *Pressure equipment*, Appendix E:

Competent person—a person who has acquired through training, qualification, or experience, or a combination of these, the knowledge and skills enabling that person to perform the task required.

Regardless of any slight variability of definition of 'competent person' that may be found in codes of practice, Engineering Safety will accept the above definition from AS/NZS 1200.

Any task performed in-house by a competent person needs to be identified, and a record kept of inspections or tests carried out. These records should bear the signature of the competent person.

Equipment should be marked accordingly, so that it can be easily related to the records.

Announcements

The following companies have been added to the list of recognised overseas inspection bodies providing design verification and fabrication inspection services:

TUV Suddeutschland Bau und Betrieb GmbH
Westendstrasse 199
D-80686 Munchen
Germany

Lloyd's Register Industry Operations
Hiramford
Middlemarch Office Village
Siskin Drive
Coventry CV3 4FJ
United Kingdom

The following company has been added to the list of recognised overseas inspection bodies providing fabrication inspection services:

HSB Inspection Quality Ltd
Cairo Mill
Greenacres Road
Waterhead
Oldham
Lancashire OL4 3JA
United Kingdom

A full list of recognised inspection bodies can be viewed at the Engineering Safety website:

www.osh.dol.govt.nz/touch/eng-safety/index.shtml

Visit Us on the Web

Last issue we announced the creation of a new Engineering Safety web page. Since then it has grown and changed quite a bit, with updates taking place almost instantly information comes to hand.

If you haven't yet looked at our page, please give it a few minutes of your time to assess the value of what is there. Just to remind you (if you have seen our site) or whet your appetite (if you haven't), here is what is available now:

Engineering Safety home page: contains a diagram which shows where we are in the greater world of the Department of Labour. This diagram has already changed twice so keep track of us here!

About Engineering Safety: outlines our range of activities and services.

Relationships: how we connect with other groups, internal and external to DoL.

Inspection: a comprehensive and frequently updated list of recognised inspection bodies.

Qualification: lists recognised qualification issuing agencies.

Links: one click links to places important to us and probably you.

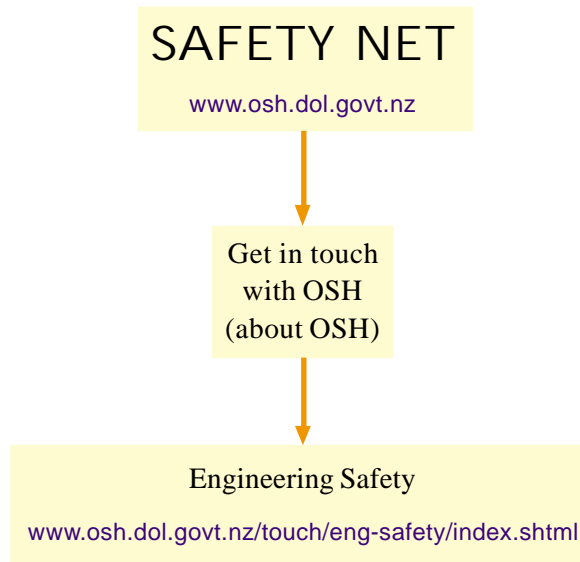
Articles: a place for future articles and access to past copies of *Safety Lines*.

Documentation: where to access regulations, codes of practice, guidelines, and the contents of gazetted exemptions and clarifications of the PECPR Regulations.

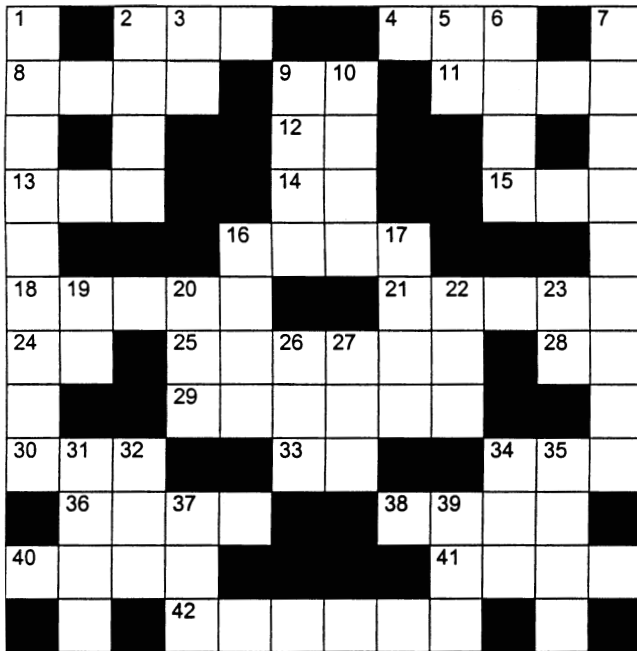
FAQs (frequently asked questions): maybe your question has already been answered - if not just get in touch with us.

Registration: this is where you reveal yourself to us (we like to know you too). You can find out from here what the benefits of registration are and how carefully we will keep your data.

Below is a mini-map to help you find us:



Puzzle Place



Answers include abbreviations and acronyms.

ACROSS

- 2 Lout
- 4 Industry body - chemicals
- 8 Chances
- 9 Helium
- 11 Curves formed by points
- 12 Scandium
- 13 Pre Windows
- 14 New Hampshire
- 15 Can
- 16 Catch a fish
- 18 Heavy lifter
- 21 Approaches
- 24 Abstainer
- 25 Retailer of fabrics
- 28 _ one's bit; contribute
- 29 Sensitive
- 30 Scrap cloth
- 33 Street
- 34 Pressure unit
- 36 Rebuff
- 38 Unrestricted
- 40 Australian birds
- 41 Sensory organs
- 42 Displayed abundantly; oozed out

DOWN

- 1 Heat transmitter
- 2 Poems
- 3 _ to; concerning
- 5 US state
- 6 Young horse
- 7 Another US state
- 9 Act covering certain substances and organisms
- 10 Reflected sound waves
- 16 In this place
- 17 Joint
- 19 Right
- 20 e.g. Dye penetrant
- 22 Do wrong
- 23 Road
- 26 Answer
- 27 Pacific Daylight Time
- 31 Engineering society
- 32 Wildebeest
- 34 Essential
- 35 Use 41 across to do this
- 37 Exploit
- 39 Colour

Answers can be obtained by email from:

robin.bain@osh.dol.govt.nz

Answers to *Safety Lines 55* Crossword

Across

- 2 CIC
- 5 Rig
- 8 AC
- 10 Format
- 11 LA
- 12 ROM
- 14 Ion
- 15 Misleading
- 16 Vex
- 17 COP
- 19 At
- 20 Ampere
- 22 So
- 23 Pub
- 24 Sly
- 26 AD
- 27 VA
- 28 Rib
- 30 Hem
- 31 Ag
- 33 Torpor
- 36 QA
- 37 Tie
- 39 Atop
- 40 Our
- 41 Envy
- 42 Shod

Down

- 1 Mar ..
- 3 If
- 4 Coulomb
- 5 Raiders
- 6 IT
- 7 Tan
- 9 Comet
- 11 Logos
- 13 Mix
- 14 Inc
- 16 Validate
- 18 Postcard
- 20 Audit
- 21 Elver
- 23 Par
- 25 Yam
- 29 Boa
- 30 Hop
- 32 Gin
- 34 RT
- 35 Po
- 36 Quo
- 38 eV
- 40 Oh

Merry Christmas

to all our readers. We look forward to bringing you Engineering Safety issues in 2003. Have a happy, healthy and safe break.

from all the
Engineering Safety
team at OSH.



HERA Courses

HERA Training Centre is offering the following courses during 2003:

Course	Dates
Welding inspection	10 - 14 March
	23 - 27 June
	1 - 5 September
	10- 14 November
Radiographic theory and Interpretation of weld radiographs	10 - 16 May
	8 - 12 September
Surface methods	24 - 27 March
	4 - 7 August
Ultrasonic testing theory and Ultrasonic weld testing	26 - 30 May
	22 - 26 September
Ultrasonic wall thickness	3 - 4 June
Management appreciation in non-destructive testing	30 June
	15 October
Coatings inspection:	
Home study	All year
Introduction	21 March
Block courses	11 - 12 September

The venue for the above courses is:

HERA House
17 - 19 Gladding Place
MANUKAU CITY (South Auckland)

Note: Enrolment closes 7 days before start of course.

For further details contact:

HERA Training Centre
PO Box 76134
Manukau City
Phone: 09 262 2885 Fax: 09 262 2856
Email: admin@hera.org.nz

Correction to *Safety Lines* 55

The article entitled 'Defective Fittings' originally gave the grade of the fittings as 'ASTM A234 WCB'. This was incorrect and the grade should be 'ASTM A234 WPB'. The electronic version of *Safety Lines* 55 has been amended in red font.

Safety Lines is a publication of the Engineering Safety Unit of the Occupational Safety and Health Service, Department of Labour, PO Box 3705, Wellington.

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