

Regulation of natural refrigerants in NZ

16 May, 2016 - Melbourne

Compressed

Gas

Regulations

2004

HASNO

Approved Handler & Filler

Refrigerant regulation in NZ

AUS & NZ Standards

Industry largely self regulated

 Compliance of standards and regulations responsibility of operators.

Climate Change Response Act 2002

Governance

Health & Safety Act

Ozone
Layer
Protection
Act 1996

Electricity Act 1992 PECR Regulations 1999

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April 5, 2008

"Tamahere" continues to be cited as the case for not using NR.

IcePak coolstore fire (Tamahere).

- Killed firefighter Derek Lovell, injured 7 firefighters.
- DoL companies showed "wilful disregard for safety".
- Judge: "good people who made mistakes – MRS lacked knowledge & out of their depth."
- Failure to comply with AS/NZS 1677.
- Number H&S breaches.

2015

Government directed industry to solve the issue of unqualified people accessing refrigerants.

Licensing

scheme.

2012

Restrict refrigerant coroners report Tamahere.

Industry:

Refrigerant Licensing

Trust est.Voluntary

* Fundamental change needed in industry attitude to H&S.

Standards Review

"Urgent need

Regulation"

for

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HASNO

Filler

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Compressed Gas Regulations 2004

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Government directed industry to solve the issue of unqualified people accessing refrigerants.

2015 2012 Restrict 2011 refrigerant 2008 Coroners sales. report Refrigerant Tamahere.

Industry: Licensing Fundamental change "Urgent need Trust est. needed in industry for Voluntary attitude to H&S. Regulation"

Licensing

scheme.

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Fillers & Handlers Certification

Flammables
Training &
Education

Industrial Ammonia Operations – AIRAH

Refrigerant Levy collection Refrigerant License Trust Board

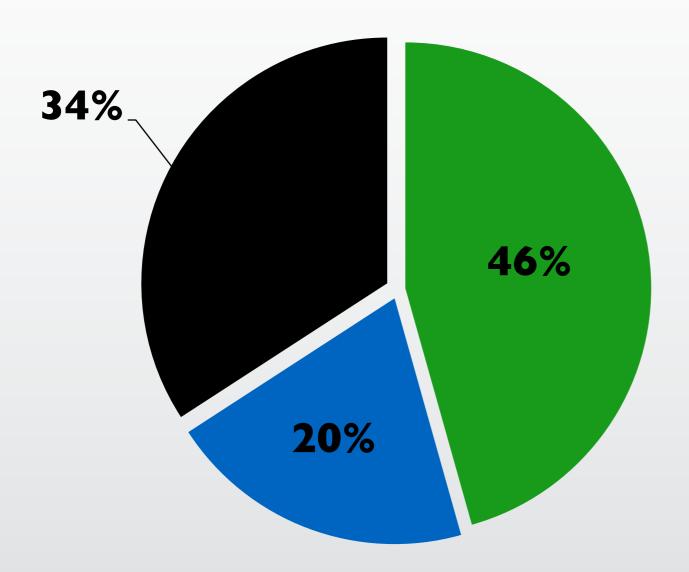
Training & Professional Development

HVAC & BMS Controls

CCCA & IRHACE

Fillers and Handlers Voluntary Licensing Scheme





An estimated 2/3rd of refrigeration engineers licensed.

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Where to from here?

Increasing legislation.
Increasing number of refrigerants.

Increasing NR use.

- Voluntary Licensing.
- CCCA/ IRHACE membership.
- Specialised Training,
- Centre of Excellence.
- Access & localise global learning.
- Partnerships e.g NZFS.
- Leverage Recovery NZ
 / product stewardship
 model.
- Education

Improved systems performance.

Design improvements.

Decreasing charge sizes.

Increasing skill development.

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