

# Resources Safety and Health Queensland Industry Leaders' Briefing 2023

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# Key messages

- RSHQ vision – zero serious harm
- RSHQ Regulatory approach – *risk based, data-driven*
- P&G diverse regulatory remit
- Example – upstream - noise
- Example – small business - commercial kitchens
- Example – public - recreational vehicles (caravans)
- Future focus – data project

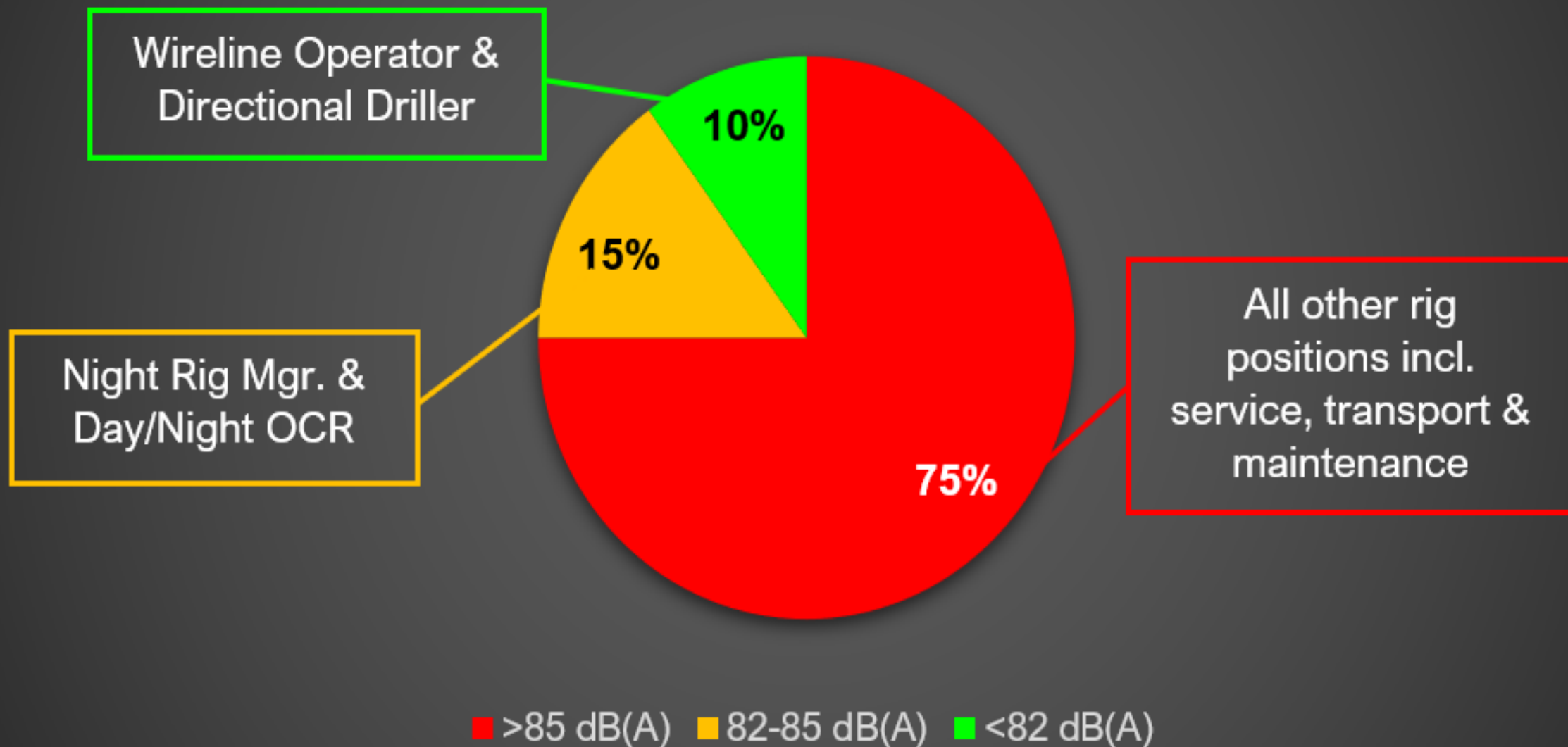
# Upstream noise HRA

- Identify the extent of noise hazards associated with drilling and completion upstream activities.
- Gather evidence to assess the risk.
- Understand effectiveness of current industry controls.
- Share data collected and information back to the industry.

# Why? Noise-related harm

- **Acoustic trauma** – immediate and permanent damage (explosions, HPV release)
- **Temporary threshold shift** – ‘numbness’ of the ears for limited time
- **Permanent threshold Shift** – decrease of the ears’ sensitivity to certain frequencies
- **Tinnitus** – perception of sounds in the ears/head that do not originate from an external source
- **Effect of ototoxins** – chemicals/medicines with hearing side-effects or exacerbate the effects of noise

# Field D&C Position Noise Exposure over 12-hr shift



# Findings

1. Operators **underestimate risk**. Assessments are:
  - not benchmarked against OEL (noise exposure)
  - existing Noise Maps are based on environmental noise measurements
  - operations can change the noise profile of the lease.
2. Awareness of NIHL, ototoxins and correct use of PPE was minimal.
3. Engineering controls diminished (e.g. doors open).
4. Reliance on administrative controls, PPE.
5. Noise management programs **ineffective**.

# Recommendations

- Review AS/NZS 1269 Occupational noise management.
- Ensure SMS includes noise management plan:
  - testing conducted by competent person to identify noise sources/exposure
  - audiometric testing for workers as per AS/NZS 1269.4
  - hearing Protector Program (HPP) as per AS/NZS 1269.3
  - training program incl. information and instruction on noise hazards, health effects & the selection, use, maintenance and storage of HPD as per AS/NZS 1269.0-3.
- Control noise as per AS/NZS 1269.2.
- P&G Inspectorate Noise HRA Safety Bulletin (28 February 2023).

# Private - commercial kitchens - no DIY gas

...risk concentrations, pockets of harm...continued from 2022



**5 serious incidents in 3 years**

Raise awareness of the dangers of unlicensed gas work and CHANGE BEHAVIOURS among small businesses to always use a licenced gas fitter or worker.



## 01

### Research and develop Strategy

Kick off workshop

Audience and behaviours research

Campaign strategy and commence campaign plan

## 02

### Creative brief and concepts

Creative brief

Conceptual development

Concept testing

Concept refinement

## 03

### Campaign planning Creative development

Campaign implementation plan

Creative development

*Execution and production (final scope to be confirmed)*

**Please note:**

A final production scope and budget is to be confirmed following approval of implementation plan.

## 04

### Launch

Campaign launch

Support to go live

Delivery implementation

## 05

### Review and report

Iterative moderation

Post campaign engagement report

# Public: Recreational vehicle gas systems

- 13-20% of complaints
- 100-200 inquiries pa
- 200,000+ RV registered in QLD (2021)

Legislation requires:

- Gas devices/appliances approval,
- Gas work by licensed or authorised persons,
- Gas work compliance with standards (AS/NZS5601.2 ).
- Certification prior to change of ownership (s116 P&G Regulation)

# New recreational vehicle gas system data

## Qld Manufacturers



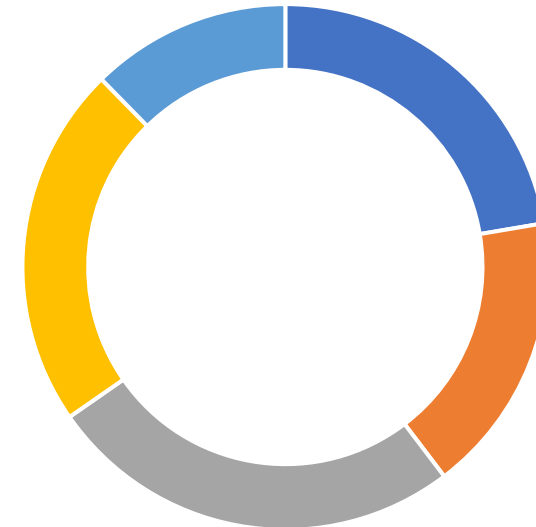
■ Inspected   ■ No gas systems

## RV Gas installers



■ 53 Identified   ■ 42 Audited

## Areas of non-compliance



■ Cylinders   ■ Pipework   ■ Appliances  
■ Ventilation   ■ Flueing

# Actions taken

- Publication of Interim report (April 2022)
- Publication of guidance material (July-Aug-Nov 2022)
- Gas system checklist
- Updates to webpage and direct comms to gasfitters
- Safety alerts (104, 105 in 2022)
- Stakeholder presentations
- National Regulator engagement – Aust-wide consistency
- Applied RSHQ Compliance and Enforcement Policy
  - Educative and corrective action

# Future intentions

- Audit RV gas work at manufacturing location
- Provide ongoing compliance material and support (AS/NZS5601.2)
- Improved training (RTO) + Non-accredited (CTIAQ + manufactures)
- Continued clarification of AS/NZS 5601.2 – review and amendments
- Industry lead (CTIAQ) register of recognised installers (e.g. RACQ repairer)
- Manufacturers to consult GWLH for all new RV designs changes

# Positive signs

- GWLH and manufacturers seeking advice regarding compliance
- GWLH following RVGS process
- Some gas work licence holders avoiding RV work
- Manufacturers struggle to find reliable, experienced GWLH
- Compliant vehicles now being inspected
- Improved safety outcomes, such as:
  - flue and vent covers removed
  - annex ventilation added
  - improved understanding of standard
  - more attention to installation instructions
  - AS/NZS 5601.2:2020 reviewed for future amendments

# PGI Safety Intelligence project

PGI safety intelligence dashboard will assist to achieve:

- Vision: zero serious harm
- Strategy: becoming an expert, data driven regulator
- Regulatory decisions based on robust safety intelligence data
- Provide industry with improved learnings and educative materials

# What is the focus?

**Safety intelligence** - focus on data that leads to 'harm prevention':

- where the highest risks are
- data trends
- proactive/reactive regulatory responses
- improved learnings/educative responses
- problems and harm preventions
- directing our resources to pockets of harm
- repetitive incidents
- anything else that assists PGI *safety intelligence*



# Thank you

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