

# ORR's Occupational Health Programme 2014-19: making it happen

What the ORR are looking for

- 1. Programme priorities
- 2. What we expect to be in place
- 3. Current ORR activity
- 4. RM3-Health
- 5. Stress Position Statement

Dr Claire Dickinson, Occupational Health Programme Manager

20th October 2014

# 2<sup>nd</sup> Programme published 28<sup>th</sup> April 2014



**Scope: Whole rail industry** 

**Builds on the first programme** 

**Key focus : securing legal compliance** 

"Assist and encourage" - Collaborative approach, including Trade Union's

**Enforcement notices: 22** 

Measure the capability of health management systems using RM3-H RC6 published July 2014



OFFICE OF RAIL REGULATION

#### Pages 10 & 11 - priorities

- Proactively managing health risks: hand-arm vibration, stress, musculoskeletal disorders, effective risk assessments with identifiable controls, health surveillance and RIDDOR
- Implemented health policy; senior commitment, resources, continuous improvement
- Sign up as partners to the Responsibility Deal
- Drive innovation in health risk management by better use of specialist resource, implementing NICE guidance or promoting physical activity
- Pursue the activities of the RSSB Industry Roadmap
- Pursue early intervention on musculoskeletal disorders and demonstrate good practice in management of trauma
- Improve the use of good health data, develop trend & comparators



## Pages 10 & 11 - priorities

- Work openly with trade unions
- Share good practice on what works...ORR website
- Be aware of costs, "at least as good as comparators"
- Raise awareness and competence on health risk assessment Participate in the EU-OSHA European Week for Safety & Health at Work – October 2014
- Raise the standard of passenger experience and satisfaction on perceptions of health risks and cleanliness



#### Accent Report : feedback "Health like Safety"

Evaluation of the ORR Occupational Health Programme 2010-14

Final Report
April 2014

Evaluation of the ORR Occupational Health Programme

April 2014

OFFICE OF RAIL REGULATION

Accent

Accent

When asked what is missing or can be

improved, the key responses were:

- More strategic approach
  - More collaborative working

Prepared by:

Accent Chiswick Gate 598-608 Chiswick High Road Prepared for: Railway Safety Policy Team Railway Safety Directorate Office Of Rail Regulation

1 Kemble Street London WC2B 4AN

Contact

Contact: Dr Christine Emmerson
E-mail: Christine.Emmerson@accent-

File name: 2707rep01\_v4\_Final

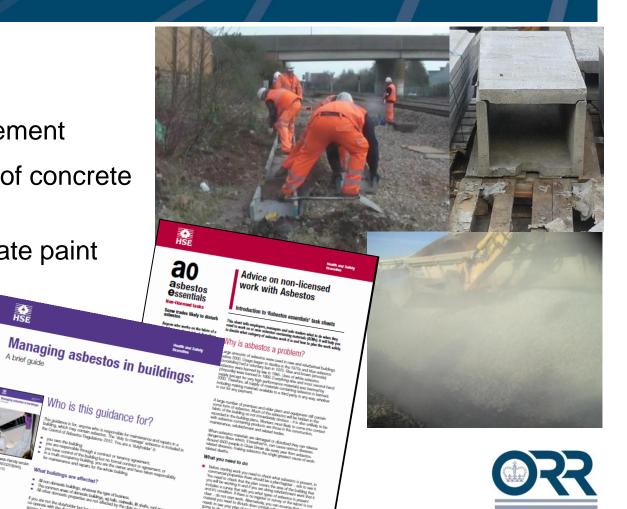
 While around two thirds of respondents consider that the goal of the ORR has progressed in the last four years, there is still room for improvement

The perception from many respondents is that a focus on safety still dominates in the rail
industry and that there is still some way to go to achieve a balance between health and safety.
Hence the ORR needs to continue to promote the desire for parity between health and safety
for the railway industry.



# Making It Happen!

- Ballast Dust
- Asbestos management
- Manual Handling of concrete troughing
- Spraying isocyanate paint



OFFICE OF RAIL REGULATION

# What we expect to be in place .... Silica Dust COSHH, 2002

PP<u>3</u> Mask & clean shaven

Facefit testing by accredited group

Health Surveillance

Site Specific Risk
Assessment



Mind the dust; ballast is dropped at Minety on 20 August 2013. M. John Stretton



**Dust Monitoring** 

Avoid being present

Engineering Controls

Water Suppression



#### Silica....minimum standards at work sites

- Systems of work keep clear if not required
- Minimise drop heights for unloading ballast
- Operators in cabs all to keep windows/doors closed; H-type filters and door seals on OTMs with a/c.
- Maintenance of controls

   including equipment but also checks on systems of work





#### Silica....use of RPE & health surveillance

- RPE P3 standard, worn properly (clean shaven)
- Face fit tested, with written records
- Compatible with other PPE and communications
- Tight fitting RPE not suitable where significant exposure and worn > 1 hour
- Health surveillance for workers at significant risk to detect early signs of disease



General guidance

Hazardous to Health Regulations 2002 (COSHH)

safety representatives.

advice on health surveillance for

other diseases that might be

developed or noticed recent,

#### Health surveillance for those exposed to respirable crystalline silica (RCS)

#### Control approach 4 Special

- Your work involves dusts that can cause lung disr depend on:
- how much they are exposed to: and how much crystalline silica there is in the dust
- fine. It is breathed in through the nose and mouth and can stay in the symptoms develop. The illness it causes may continue to worsen eve

- ✓ Silicosis is a major disease risk from RCS dust. It causes small hard nodules of scar tissue to develop in the lungs that are seen on a ches X-ray. Silicosis usually takes some years to develop. There is also an acute form of silicosis that occurs at very high exposures. This can s within a short time and can kill within a few months of first exposure.
- The main symptoms are cough and difficulty in breathing. Workers with silicosis are at increased risk of tuberculosis and lung cancer and may also daughor kidnay disease and arthritis (and related diseases). Those who work with silica may be at increased risk of some of those diseases even if they do not develop silicosis.

✓ Exposure to RCS may also cause COPD. This disease interferes with air movement in and out of the lungs and causes breathlessness, ofter with a chronic cough and sputum (phlegm).

- ✓ Occupations with exposure to RCS include: mining, quarrying, slate. works, foundries, potteries, brick and tile making and stonemasc
- Construction work involving cutting or breaking stone, concrete or brick, abrasive blasting and tunnelling is associated with silicosis ✓ Industries that use silica flour to manufacture goods are also at risk.

#### Planning and preparation

√ Plan what you are going to do if a worker shows signs of lung disease.

Make sure your employees are aware of your plans.

# What we expect to be in place .... Asbestos Control of Asbestos Regulations, 2013

Survey & Testing to assess whether asbestos present

Notify enforcing authority / License

Extent of asbestos risk & Asbestos Plan

Prevent or reduce exposure, & PPE

Information, Instruction & Training

Engineering Controls e.g. Enclosure, Showers

Health Records & Medical Surveillance

Air monitoring

Monitoring condition of asbestos

Deploy appropriate work processes, eg vacuum not brush



## Manual handling risks: Avoid, Assess, Reduce

- Manual lifting and carrying heavy concrete troughing sections— C143 prohibited.
- Delivery by RRVs; use of lightweight concrete or composites – detail in HSL report
- Welding sets from site access point onto track





# Paint Spraying of Trains: isocyanate paint fume

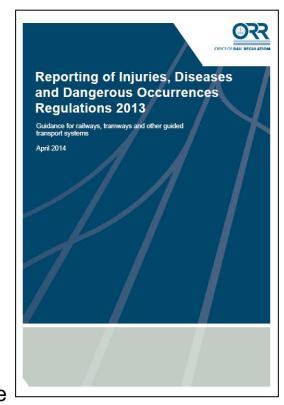






#### RIDDOR, 2013

- RIDDOR, 2013 introduction of Reg 8 & 9
- ➤ The list of reportable occupational health conditions is shorter comprising 6 short latency occupational conditions
  - carpal tunnel syndrome,
  - cramp in the hand or forearm,
  - hand arm vibration syndrome (HAVS),
  - tendonitis or tenosynovitis in the hand or forearm,
  - occupational asthma, and
  - occupational dermatitis.
- In addition, any occupational cancers (due to exposure to carcinogens as defined under COSHH), and diseases attributable to occupational exposure to a biological agent
- Report for conditions that are "new / significantly worsened"





## Reporting on NRT Portal: From July 2013

https://dataportal.orr.gov.uk/





Create your own report



Report Wizard

Create reports using our NRT Portal report wizard

#### Browse reports / data

Official Statistics

Network capability and assets

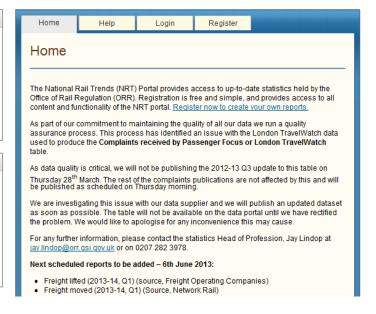
Performance

Rail usage

Service Satisfaction

---

All Reports / Data



Data from SMIS (mainline) and LUSEA (TfL) for: manual handling injuries and shock/trauma incidents from 2005 to 31/3/2014.

RIDDOR reports from April 2010 to March 2014



## RIDDOR Reporting on the NRT Portal: July 2014

Disease Type	2010-11	2011-12	2012-13	2013-14	
Carpal tunnel syndrome	4	0	2	2	7
Cramp in the hand or forearm due to repetitive movements	0	0	2	0	Wh
Hand Arms Vibration Syndrome (HAVS)	34	95	97	76	
Legionellosis (infectious disease due to biological agents)	0	0	0	0	
Leptospirosis (infectious disease due to biological agents)	0	1	3	0	V
Occupational asthma	0	0	0	1	
Occupational cancers	0	0	0	0	
Occupational dermatitis	1	0	0	0	
Tendonitis or tenosynovitis in hand or forearm	1	1	0	0	

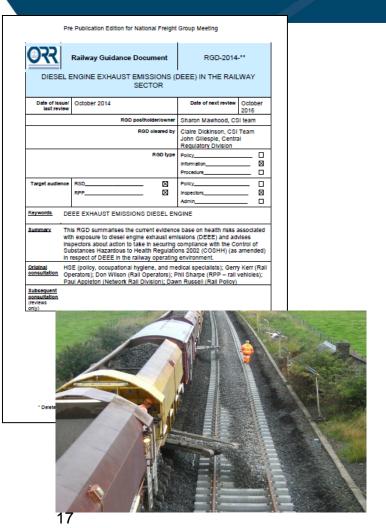


### HAVS – what we expect to see

- Routes to develop HAVS risk improvement plans (mandated by NR HQ)
- Focus on higher risk tasks needle guns, rail grinders, impact wrenches, rotary hammer drills – some trigger times < 15mins to ELV</p>
- Managing HAVS exposure by
  - Task design avoid need hand held or guided vibrating tools; automate
  - Lower vibration tools purchase/hire policies; updated Small Plant and Tool datasheets with trigger times; Geismar MP12 grinders to retrofit vibration reducing handles
  - Assessing and managing personal exposures



# Occupational Cancers : DEEE, Silica & Asbestos

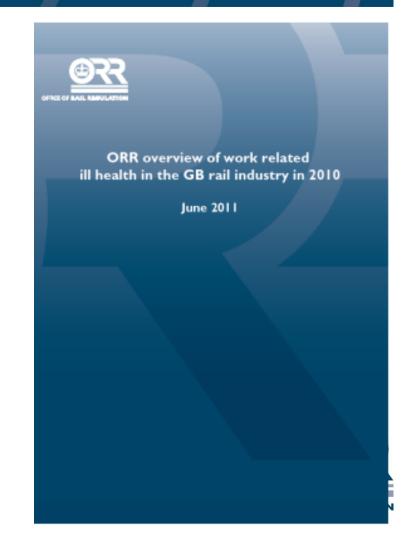


- Revised RGD guidance for Inspectors on DEEE and silica in preparation
- COSHH, 2002 duties re DEEE robust precautionary approach
- Assess exposure to DEEE/ Prevent and Control consistent with hierarchy of control
- High exposures to nitrous oxide in busy station areas/ Para 15-Elemental Carbon as marker
- Silica keep away, reduce dust, health surveillance, PP3 face masks, face fit testing regime

## Repeat of the ORR baseline review

http://orr.gov.uk/what-and-how-we-regulate/health-and-safety/monitoring-and-reporting/occupational-health-assessment

- HSE Labour Force Survey Data
- ORR Quantification Survey
- Information & Intelligence from:
  - Inspections
  - Annual Return
  - Industry Reports
- Due to be published June 2015



#### HAVS / MSD / Asbestos / Stress Position Statements

#### Updated Strategic Risk Priorities Document Chapter 9



#### 9. Occupational health

#### Introduction

- Occupational or work-related ill health describes those conditions that are caused, or made worse, by work.
- Occupational health covers many different aspects of workforce well-being. This includes health considerations from:
  - physical work activities such as musculoskeletal disorders arising from manual handling and exposure to hand arm vibration;
  - exposure to hazardous substances; and
  - mental health issues, for example stress.
- 3. Worker health has historically had a far lower profile than worker and passenger safety in the rail sector. However, evidence suggests that occupational ill-health is an area of risk that could be better managed across all G8 industry and we have found evidence of failure to meet minimum legal requirements in the railways industry.
- 4. HSE data indicates that railway workers report a higher incidence of work related ill health when compared with construction workers; other transport drivers and mobile machine operatives; and with the transport, storage and communications sector as a whole. Reliable, accurate data on occupational ill health within the rail industry is difficult to obtain.
- 5. Rail industry datasets, including RSSB's SMIS and London Underground Limited's LUSEA, are useful but do not capture all sectors of the industry or types of ill health. RIDDOR data is unhelpful when looking at manual handling and stress, generally perceived as the key work related ill health issues for the industry. There is some evidence to suggest under reporting of prescribed occurational disease under RIDDOR.
- RSSB research in 2005 estimated that the rail industry lost about 1.17 million working days per year through sickness absence. The associated direct payroll costs of ill health were estimated at about £100M per year, around ten times that of the total expenditure on OH

Office of Rall Regulation | September 2012 | strategy for regulation of health and safety risks 1



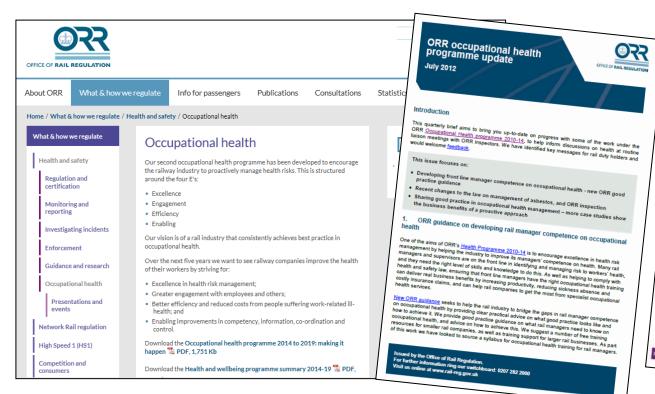
## Mandatory Investigations & RGD 2010-10

- Case of legionnaires disease where the source of infection may be on a railway location enforced by ORR
- Suspension from work due to high blood lead levels
- Occupational asthma, ...isocyanate paint as respiratory sensitizer
- > Plus,
- RGD 2010-10 Matters of Evident Concern conditions that pose a serious risk of ill-health – old pipework - legionella



#### Quarterly occupational health programme updates

http://orr.gov.uk/what-and-how-we-regulate/health-and-safety/monitoring-and-reporting/occupational-health-quarterly-updates







#### RM3 - Health

- Information on web
- Example for stress
- Pilot at TPE & CrossCountry

http://orr.gov.uk/what-and-how-we-regulate/health-and-safety/monitoring-and-reporting/occupational-health-and-the-railway-management-maturity-model

# Example of a key issues agenda for managing stress risks

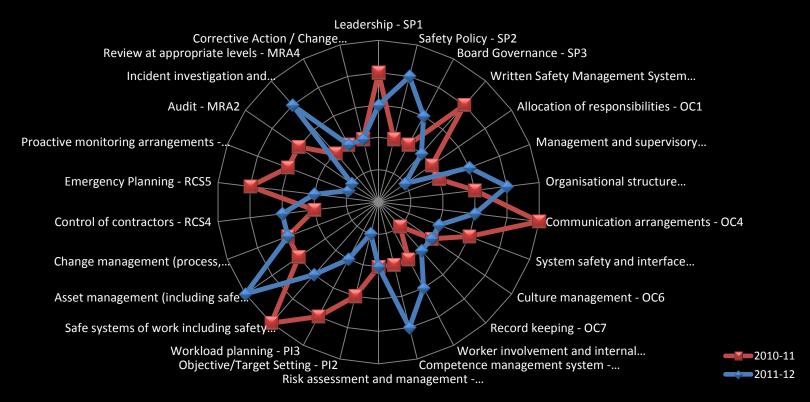
HSE publication HSG218 'Managing the causes of work-related stress' is accepted as good practice in managing the causes of work related stress. The approach is a step-by-step approach using the Management Standards and the key issues below reflect the steps given in HSG 218 (in italics in the control system within the RM3 framework.

RM3 Criteria	or stress is managed as a risk
Leadership - SP1	Key issues to explore during assessment  Prepare - Are senior management committed to the process for managing stress within the organisation? For example is there evidence of senior managers;  - Visibly demonstrating support and participating in communication activities  - Allocating sufficient resources - Delegating authority to
Safety Policy - SP2	groups e.g. steering group  - attending steering group meetings  Prepare - Is there a commitment within the safety policy to managing stress.
Board Governance - SP3	Prepare - Has management commitment
Written Safety Management System - SP4	legal case at board level  Prepare - Occupational health issues including stress should be explicit in the  written HSMS.
Allocation of responsibilities - OC1  Management and supervisory accountability - OC2	Prepare - Is there a stress steering group with defined objectives, key roles assigned appropriately and adequate resources.  Are staff with responsibilities for managing stress held accountable (steep age).
	Prenare - Has a communications/employee



#### RM3 Radar Plot

#### RM3 assessment comparison 2010/11 with 2011/12

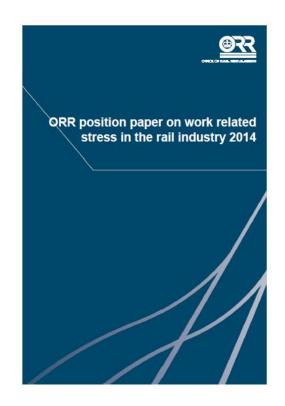


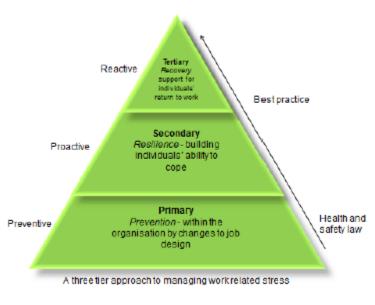


#### **Managing Stress**

\*\* Marking European H&S Week October 2014









#### What does good stress management look like?

- Primary prevention
  - preventing harmful levels stress
  - > work centred focus on the work and way it is done
- Secondary coping skills
  - ▶ building coping skills resilience training, employee assistance, buddying
  - focus on the individual
- Tertiary support for affected
  - support after the event rehabilitation, staged return to work, counselling and employee assistance
  - focus on the individual



## Where is the rail industry?

- Pockets of good practice.....ORR web site good practice <u>case studies</u>
  - Arriva Trains Wales NICE guidelines on post traumatic stress management = tertiary intervention
  - ➤ Transport for London Stress Reduction Groups to build personal resilience = secondary intervention
- Need more effort and focus on prevention by looking at way work doneprimary intervention
- Shift towards organisational approach as well as individual
- HSE Management Standards approach well tested framework

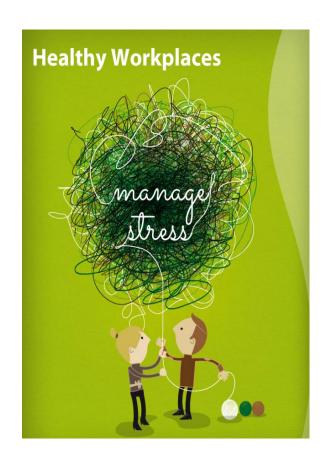




#### European Agency for Safety and Health

European Agency for Safety and Health at Work

art Work



- Healthy Workplaces Campaign 2014-2015 'Managing stress and psychosocial risks at work' starts in April
- Support and guidance for workers and employers to recognise and tackle stress at the workplace, and promotes the use of practical tools.
- Check out the new Campaign Guide at Healthy Workplaces Campaigns — Safety and Health at Work - EU-OSHA

OFFICE OF RAIL REGULATION

#### Conclusion

#### What do ORR expect?

- 1.Demonstrate that progressing from reactive to proactive to excellence in health risk management, using RM3-Health to assess this
- 2.Demonstrate good practice e.g. stress/trauma management, good job design
- 3.Improving arrangements for health surveillance, health policies, health reporting
- 4. No one's health affected by their working environment or working practises



# Thank you

Any questions?

Claire.dickinson@orr.gsi.gov.uk

Tel: 0207 282 3742

#### © Crown copyright 20xx

You may reuse this information (excluding logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/2/ or email: psi@nationalarchives.gsi.gov.uk

Where we have identified any third party copyright information you will need to obtain permission from the copyright holders concerned.

