

Terry Gorman Senior Occupational Hygienist 3M Australia



www.qldminingsafety.org.au

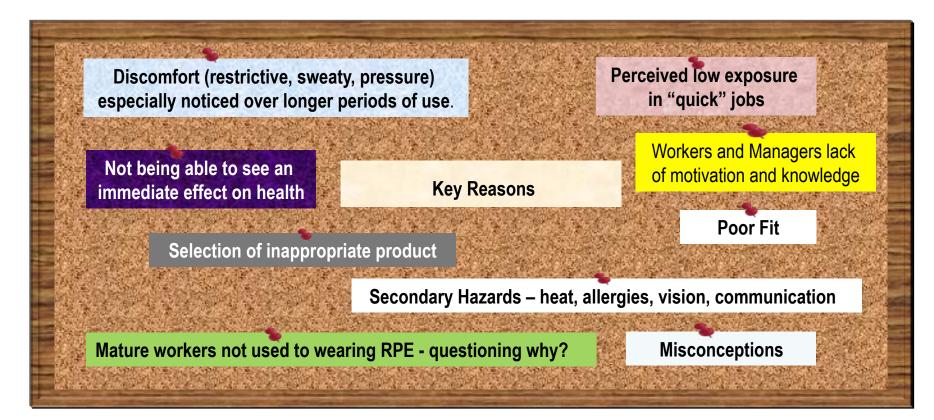
PPE: Use and Misuse – why is it commonly not used correctly?

Personal Protective Equipment (PPE) = any device or appliance designed to be worn by an individual for protection against one or more health and safety hazards.

Studies have found that 50%-80% of workers fail to properly use the PPE provided - achieving the expected and required protection is a real issue in workplaces.

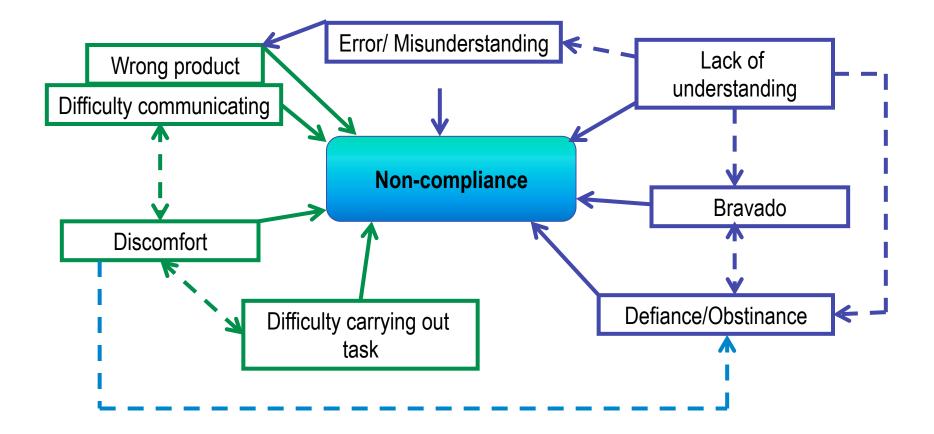


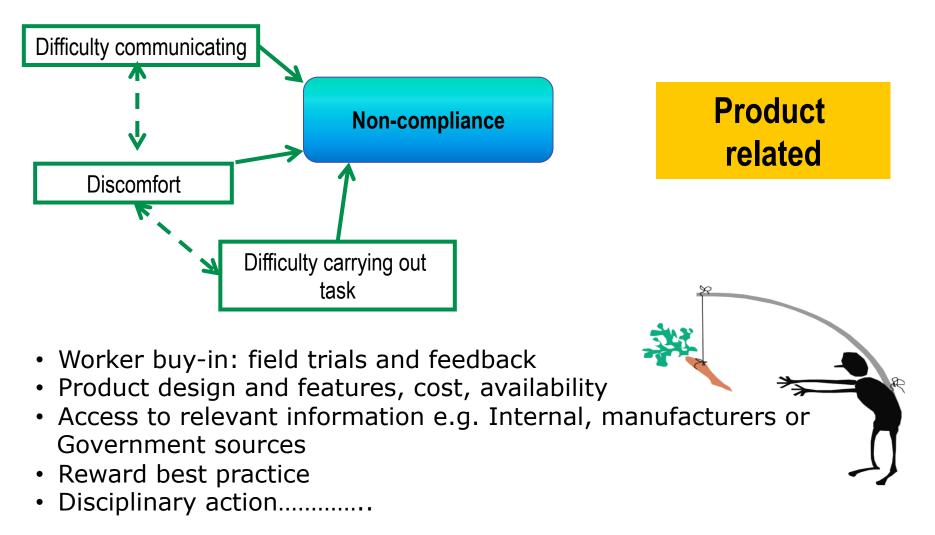
What are some reasons for non-compliance?

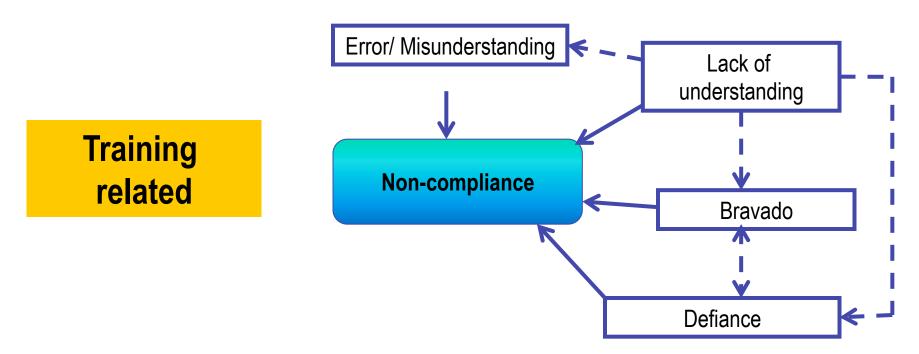


Research Report 798: Factors influencing the implementation of RPE programmes in the workplace. HSE, 2010

What are reasons for non-compliance?







- Managers must understand full picture use, maintenance, storage
- Managers must be consistent with PPE message
- "Enforcement" for rule breakers
- Overcome perception that PPE is common sense and obvious and inaccurate perception of risks/health effects e.g. in the USA, over 50% of eye injuries occur to workers not wearing eye protection or wearing the wrong type or size.

Training related







Getting a good fit



Limitations of use



Maintenance procedures

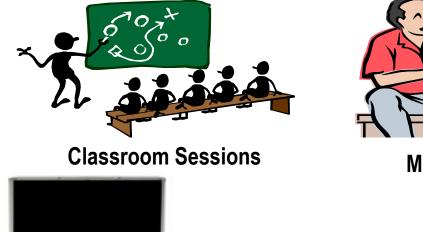


Putting on & removing





Training related

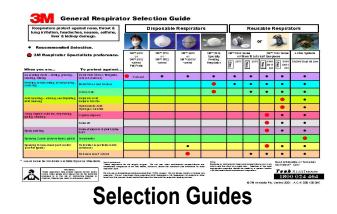




Mentoring



eLearning





Toolbox Talks

Fitting

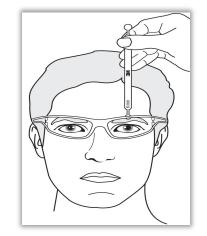
- Fit is critical for most types of PPE.
- An appropriate assessment should be made to determine acceptable fit for the individual.

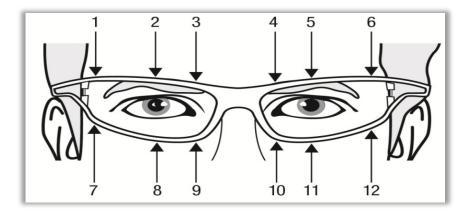


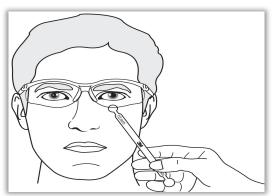
Eyewear Fit System

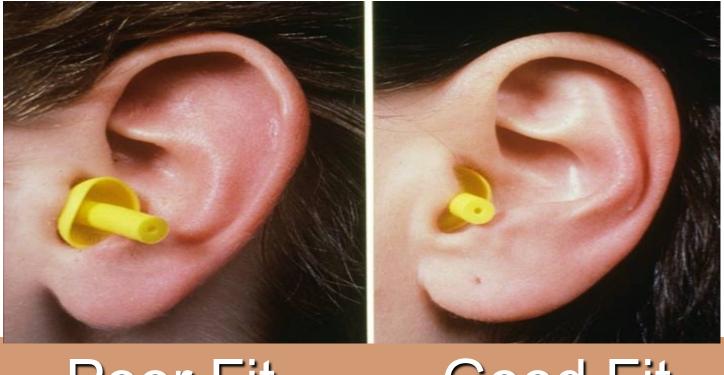
• Gaps

- Working from largest to smallest (12mm to 6mm), gently probe the gap clearance around the perimeter of the eyewear.
- Find the sphere size that fits loosely into the gap for each of the 12 locations defined.













E-A-Rfit[™] System Components







Qualitative or Quantitative Fit Testing

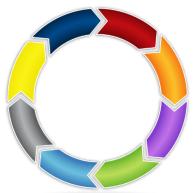
Methods to determine that an individual can/cannot get an effective face fit when using a specific respirator





PPE Programs – what is needed

- Using PPE and achieving the required level of protection requires attention to a number of areas
 - These elements cover various aspects an are needed to give confidence in the ongoing performance of the PPE
 - PPE programs will vary in complexity and resources needed.



THANK YOU – Questions?

