apse training

Parks & Open Spaces Seminar London, 30 November 2017

Safety at Work Drivers and Operatives



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Topics



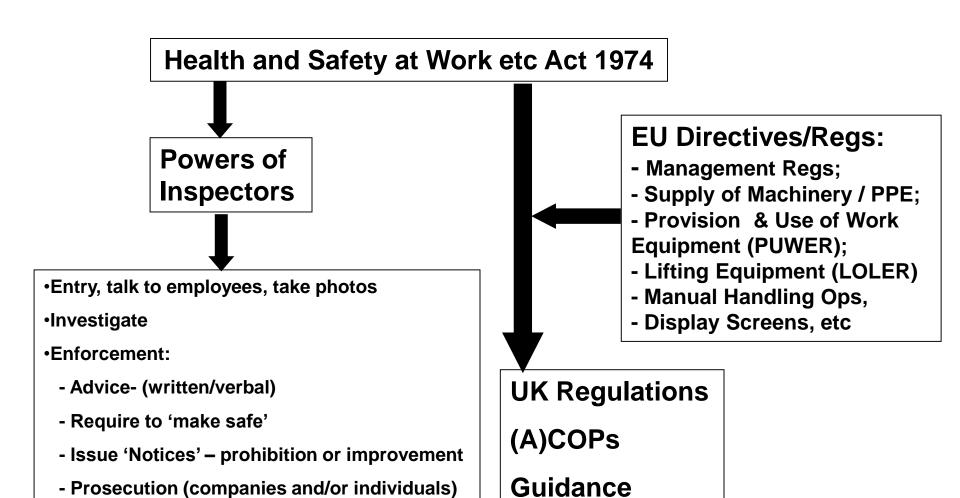


- Key legislation related to delivering arboriculture, horticulture and open space services
- Measures to limit risks of Hand-Arm Vibration Syndrome
- Effectively managing Driver Safety + operatives and nonemployees

Eg. Case studies/Prosecutions highlighting Hazards/Risks and who is responsible.....



Legal framework



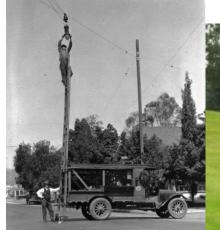
Driving/being driven - at work, to/from worksites, egs:

- Litter picking (verges, central reservations) & road sweeping
- Fly tipping removal
- Cutting grass (verges, central reservations, roundabouts)
- Hedge cutting
- Tree felling and trimming
- Winter maintenance (salt spreading/snow clearance)
- Emergency clearance (wind-blown trees, road kill, RTAs?)
- Flooding, clearing drainage systems
- Waste collection domestic & commercial
- Dog waste clearance/collection
- Street lamp maintenance
- etc



apse training What are your highest risk activities?

- Waste collection & recycling
- Litter picking/road sweeping
- Mowing roadside & on slopes
- Trees & treework
- Building/Streetlight maintenance/work at height
- Pesticide application quads/ATVs (+ chemicals)
 NB. HSE focus on health issues





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Tree Safety



- LAs' responsible for own tree stocks + line highways (58/day being felled)
- Responsible for 'clearing up' after storms, etc.
- Set standards for public
- Provide advice + TPOs.



Yaxley PC - 13 yr old crushed by 20ft branch (6/11)

- Another branch fell 2 days later – still not roped off!
- 11 other trees 'high risk'
- YPC paid undisclosed damages.(No prosecution?)



Tree Climbing vs MEWPs

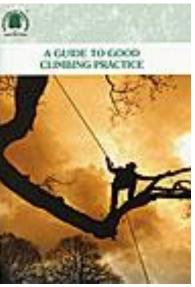
Ladders vs Climbing vs MEWPs

= based on site / tree-specific assessment















training But could this happen to you?

- Gateshead Council fined £40k + ~£6k costs (July 2014) for failing to ensure contractor competent to fell large tree (25m poplar) in Jan 2012.
- Tree on steep slope, fell on rail line and hit by train
- Contractor's penalty = 150hrs + £6k costs
- Worker knocked unconscious when hit on head by
 - tree or train + fractured ankle!
- No winch used + R/A dubious?
- Damage to train?
- ~£100k !!! [+ £7k delays, etc]

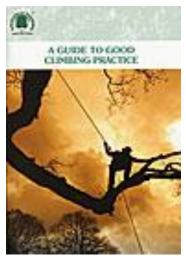




training Engaging Competent Treework Contractors

Questions to ask/evidence to look for:

- Emergency plans including <u>aerial rescue</u>
- Records of thorough examination LOLER
- PPE suitable, 'in date'.
- What standard work is done to?
 eg Industry codes of practice (FISA/AFAG/AA)
- Track record
- References
- Means of keeping up to date on safety? eg Arb Assoc Approved Contractor Scheme [= CHAS approved too.]
- Insurance cover ELCI, Public Liability, Professional indemnity.







Landscaping/amenity accidents

- Also a high incidence rate (178k workers)
- Similar rate to construction and not reducing:
 - ~2 fatal accidents/yr (eg mower overturns)
 - (+ ~3-4/yr treework only 26k workers!)
 - ~3 major injuries/wk
 - ~10 over 3/7 day injuries/wk
 - ~8k ill-health reports/year
 - ~75% = musculo-skeletal disorders (incl HAVS)
- NB. Significant under-reporting in this sector
- + RIDDOR/ industry codes changed.
- Combine this high 'risk' activity with working on roads!

('Dynamic') / site factors to consider



- Extreme conditions
- Poor visibility
- Fog
- Dark
- Storms: wind, rain
- Floods
- Snow & ice
- Steep ground
- Obstacles, eg road signs, barriers, vegetation, etc
- Road users & pedestrians!

Potential hazards during work activities on or near the road

Include:

- Struck by passing or reversing vehicles
- Slips, trips and falls
- Weather conditions
- Manual handling
- Violence/aggression (public, incl. other drivers!)
- Mobile phones / inattention
- + "Occupational Health" issues

training 'Road Worker' Incidents

- 'At work' incidents at 'road works' have caused:
 - ~25 deaths/227 serious injuries to road workers in 10 yrs (2001-10).
 - 8 'road workers' killed in last 3 years while maintaining England's road network + "many injured".
 - + Scotland & Wales?
- 'At Work' deaths related to litter picking (in 10 yrs)?
 = 2 or 3 reported
- nb. HSE's stats do not include RTAs.

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Waste Vehicle Incidents

- ~30% of fatalities in 'waste & recycling' (2009-14) due to being struck by vehicles*.
- ~31 RIDDOR-reportable fatalities (2004-10) relating to municipal and domestic collections
 - 17 = household waste collection
 - inc 9 members of the public.
- Struck by moving vehicle incidents are reducing but cause the most serious/severe injuries.
 - nb. HSE's stats do not include RTAs.

Refuse/Waste collection incidents

- Waste industry poor performance
- RIDDOR injuries 4x most other industries
- Main causes of accidents include:
 - Manual Handling (MSDs)
 - Slips and trips
 - Hit by moving, flying or falling objects
 - Falls
 - Contact with moving machinery
 - Needlestick/sharps
 - Hit by moving vehicles





training Waste Collection Designing a 'Safe' Service (Waste 23)



Considers:

- The collection process (bins/bags etc), area and route, etc;
- Size/spec of collection vehicle geography, street layout/width of road, eg rural lanes;
- Timing to minimise pedestrians in the area, traffic, etc;
- Eliminate or reduce reversing (Daventry fatality April 16?)
- Cameras, sensors, banksman used.

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Manchester litter picker case (2013)



- Good weather
- Council employee injured
- 60 yr old litter
 picker struck by
 car when crossing
 dual carriageway
- Manchester CC fined £15k
- + ~£4k costs



Manchester litter case HSE findings

- MCC litter pickers maintained ~1,000 miles of roads,
 BUT
- had not identified being struck by a car as a risk associated with litter picking work,
- no signs or safe system of work in place, AND
- staff not given information about controlling or informing traffic about them, when working on or near the road, SO
- HSE also issued Improvement Notice on MCC to review risk assessment and control procedures.



Manchester litter case Outcomes

- MCC implemented further controls including:
 - updated health and safety training (employees claimed 'never seen' 2012 risk assessment)
 - providing more signs
 - new monitoring and review process.
- HSE guidance = for workers driving for work or working in or near live traffic (eg at construction sites and crossing roads on foot) - can be found at: http://www.hse.gov.uk/roadsafety/
- WISH have produced specific guidance ['Waste 24']



aose training Veolia Litter Picker killed in Kent (2007)

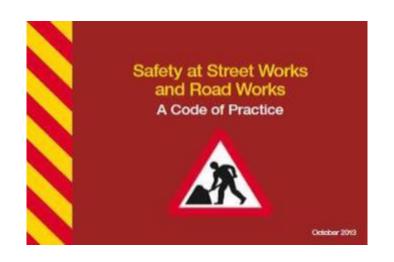
- 20yr old agency worker (Kent).
- Picking litter on grass verge.
- Dual c/way, bright day.
- Cage vehicle travelling <u>behind</u> litter picker was struck by HGV and pushed into him.
- HSE commented:
- "Work activity was not safe or properly planned" +
- "other road users also put at risk".
- Veolia fined £225k + >£95K costs in Aug 2010.
- LA prosecution (HSWA s3) dropped at Court.



apse training Kent litter picking fatal crash scene



'Relevant Guidance'





- <u>'Red Book</u>' Safety at Street Works and Road Works Code of Practice (revised 1/10/14)
- 'Chapter 8': Traffic Signs Manual Safety Measures and Signs for Road Works and Temporary Situations.
- + HSWA, 'RSPs' (regs), CoP's, guidance
- + Relevant Industry Guidance :
- eg 'WASTE 24' produced by WISH



History – Why Waste 24?

- DfTr Minister wrote to CE's of all Highways Authorities in E&W (2/7/14) stating <u>Red Book = "mandatory" > 1/10/14"</u>.
- Red Book (pg6): "Failure to comply is a criminal offence and may lead to prosecution."
- · But HSE has issued no specific guidance on this activity.
- HSE's 'mantra' = "Sensible management of h&s".....
 + encouraging industry to produce its own guidance.
- HSE considers the Red Book/CoP describes standards for compliance, but accepts it is not 'absolute', nor the only requirement.
- So, the Waste Industry Safety & Health Forum (WISH)
 produced 'Waste 24' in consultation with LAs and
 contractors + via LAWS.
- It is 'endorsed' by HSE.



Scope of Waste 24 'Safe Cleansing on the Highway'

- Guidance on 'assessing and managing the risks of <u>manual &</u> <u>mechanical cleansing</u>'.
- 'Applies to and will assist' those responsible for design, specifying contracts, and managing operations.
- Includes advice on monitoring, supervision and training.
- Defers to 'Chapter 8' & 'Red Book', BUT
- Emphasises LAs must <u>base</u> <u>decisions on risk assessment of</u> <u>each situation.</u>

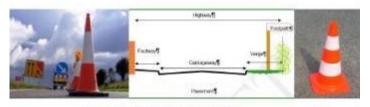
WISH

Waste Industry Safety and Health Forum
FORMAL GUIDANCE DOCUMENT

MANAGING THE RISKS ASSOCIATED WITH MANUAL AND MECHANICAL CLEANSING

This guidance has been developed by the Waste industry Health and Safety (WiSH) Forum to help control safety and health risks in the waste management industry associated with safe cleanising on the highway. The Health and Safety Executive (HISE) was consulted in the production of this publication, it endorses the sensible, proportionate, reasonable and balanced advice to owners on managing the risk from this guidance during the waste-related activities as set out in the guidance.

This guidance is aimed at those responsible for the design, specification, operation, management, and mentioning of cleanning operations on the highway. It primarily thouses on traffic related issues associated with manual and mechanical cleanning including secondary cleanning, more commonly referred to as litter picking. It contains advice relating to good working practice that spans all aspects of the cleanning operations including temporary traffic management operations where required. It is not intended to be estimately and the guidance will point the user towards other relevant guidance that is freely available. It also includes proader management and monitoring issues, as well as the supervision and training of staff.



WISH WASTE 24 Safe cleaning on the highway - losue 1, 2015

1002

http://ciwm.org.uk/wish

'Risk Profile'? Maintaining verges, paths, highways & roundabouts

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Visibility

"Signs and PPE must be selected and suitable for the working environment."











apse training Hazards maintaining verges, hedges and trees

- Dangerous litter (>850k fly-tippings/yr!)
- Obstacles, wires, poles, slopes, traffic, pedestrians







'Safety Zones'

'Sideways Safety Zone' =

- Minimum space to be maintained between the edge of the working space (nearest to live traffic) and moving traffic.
- No work should take place inside the sideways safety zone.
- No vehicles or equipment should be parked or stored in the safety zone.
- Distance depends on type & speed of road, ie:

| Single carriageway roads, and all- | 0.5 Metres |
|------------------------------------|------------|
| purpose dual carriageway road | |
| restricted to 40mph or less. | |
| Single carriageway roads and all- | 1.2 Metres |
| purpose dual carriageways with a | |
| speed limit of 50mph or more. | |



Working on Slopes: Death, injury or near 'miss'?







Solutions

- ✓ Know the limits
- √ Use improved designs
- √ Use other methods
- ✓ Use dedicated 'banks mowers' or 'robots' (specialist contractors?)
- ✓ Review contracts, ie Adequately costed?
- ✓ Differentiate areas, eg slopes <15-16deg>
- ✓ Improve training & awareness
- ✓ Improve monitoring and management



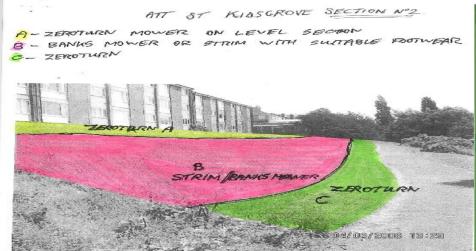


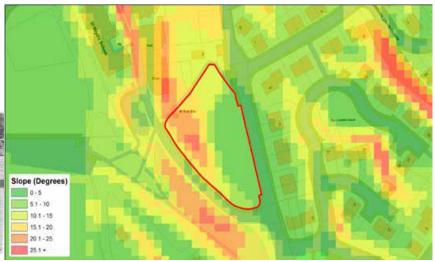
aose training Examples of good practice Measure & map slopes & other hazards



Keep it simple - use maps, take photos of slopes, roads, hazards.

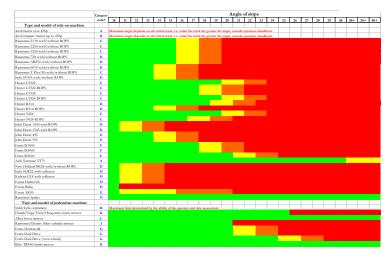
- OS MasterMap® Topography Layer.
- OS Terrain® 5





Linking Information, Risk Assessments, Training & Supervision











Vehicle Safety



Bristol CC fined £20k +£4.7k costs (Jan14) - tractor overturn:

- 51yr old lady, broken pelvis, off work 12 months.
- No lap strap or training.
- Tractor new & not sourced through normal route so no dealer training provided.



apse training Case Study The wrong tool (7/16) #1

58yr old LB Havering road maintenance worker suffered serious injuries using cut-off saw (3/15):

- Pruning trees above blocked drain
- Cut-off saw used once before to lop trees.
- Blade stuck and as he pulled it free, leg cut to bone.
- Needed 60 stitches + muscle/ligament damage.
- HSE found:
 - wrong equipment used +
 - no RA for saw and blade
 - only manufacturer's generic RA available.



Case Study The wrong tool (7/16) #2

Also:

- IP had received no training from LA,
- never read or directed to manuals for the equipment he used – didn't even know where kept!
- IP shown training video after incident specifically stated this type of blade not to be used on the saw.
- Blade was <u>purchased</u> by a council manager.
- LA pleaded guilty under PUWER, Regs 4(2) & 4(3).
- Level of fine?
- Fined £500,000 (+ £8k costs)!!!

apse training Why £500,000 fine?

- First LA fined under new sentencing guidelines (2/16)
- Judge set Council's culpability as <u>medium</u> because clear warnings in manual.
- Emphasis on <u>potential harm</u> rather than actual harm.
- <u>Likelihood of injury = high</u> and <u>potential = level A</u>. ("It could have been fatal if blade had come down on his neck + manual warned about that.") = <u>Category 1</u> offence.
- LA's turnover assessed on annual budget, ie £159m (2016-17) = a <u>large</u> organisation.
- **Assessed fine = £1.3m** (range £800k to £3.25m).
- Judge allowed for guilty plea + potential cuts in services.
- Council considered appealing because penalty too high!



'Competence'?

.....Discuss!

"Competent person" means having the:



- relevant knowledge, skills and experience;
- ability to apply these, but recognise the limits of their competence, and
- necessary training to acquire and maintain their competence.

Q: Competence to manage/supervise?



Training

- Identify training needs
- Refreshers, updates, induction?
- 'Toolbox' Talks?
- In response to relevant incidents, near 'hit' reports, etc?
- New communication and training methods, eg 360-degree on-line training tools or for 'situational awareness'.





training Assessing Training Needs SWITCH* Competence Assessment Tool

| | SWITCH Competence Framework Assessment Tool - Level 1 | | | | | | | |
|--|--|----------------|--------|--|--|--|--|--|
| MPLOYEE NAME | S | wit | :ch | | | | | |
| For each rec | Please read the requirements for each of the competencies shown below that are applicable to your job role uirement rate yourself using the following descriptors and select either 1, 2, 3 or n/a from the drop down menu next to each requ | irement | | | | | | |
| | I have very little knowledge or experience of this and would need some guidance or further training to achieve it | | | | | | | |
| COMPETENCE RATING DESCRIPTIONS: | 2 I have enough skill and /or knowledge to do this confidently on a regular basis without any support | | | | | | | |
| | I am very confident I can do this and feel I have developed such a high level of knowledge and / or experience that I could help others do this also | | | | | | | |
| | n/a Competence not required for my job role | | | | | | | |
| JOB ROLE: | MRF - HWRC - COLLECTION - DRIVING - MANUAL STREET - MACHINE | Select year | Averag | | | | | |
| COMPETENCE: | I am able to: | | | | | | | |
| 1. COMPLY WITH LEGISLATION | 1.1 Operate in accordance with the organisation's safe working practices and procedures | | | | | | | |
| | 1.2 Comply with statutory legislation and regulations including environmental, criminal and highways legislation | 4. | | | | | | |
| 2. COMPLY WITH EMERGENCY PROCEDURES | Identify and respond to emergency situations/accidents in accordance with approved organisational procedure Understand and comply with the organisational procedures for reporting accidents, incidents and dangerous occurrences | | | | | | | |
| | | | | | | 3. COMPLY WITH ENVIRONMENTAL LEGISLATION | 3.1 Understand and comply with the environmental legislation and instructions relevant to my own areas of work | |
| 3.2 Report issues of environmental non-compliance within my area of responsibility to the appropriate person | 3 | 2 | | | | | | |

^{*} Scottish Waste Industry Training Competency and Health & Safety Forum



Case Study(3)



apse training Sevenoaks Road Sweeper case (Dec 2015)

- M/cyclist killed (Sept 2010) trying to avoid road sweeper travelling at 4mph in outside lane of 40mph dual lane slip road (off A20) – sweeper obscured by bend.
- Sweeper had flashing beacons and 610 (blue arrow) sign on back, but no advance warning (cones or road signs) or temporary traffic management (TTM) in place.
- HSE: "There should have been significantly more controls in place for sweeping a stretch of road like this."
- Councils' generic road sweeping RA didn't identify all suitable control measures needed for sweeping this road.
- 'Chapter 8' cited as "starting point for what advance warning and TTM was required to warn motorists of the slow moving vehicle in lane 2".

apse training Sevenoaks road sweeper case

- Sevenoaks DC fined £40k + £32k costs (pleaded guilty, s2(1) and 3(1) of HSWA. [Financial implications considered]
- HSE's comments: "Competent risk assessments are essential... to identify appropriate controls and such controls need to be implemented and checked to ensure they remain suitable and sufficient," and....
- "Relevant industry guidance is there to be viewed when deciding what controls are needed," AND...
- "This incident shows how important it is for local councils and companies to properly assess the risk of work tasks. If (it) had been properly risk assessed, planned and suitable controls used, Mr McCulloch would not have been killed. This is truly a tragic case and was entirely preventable."
-The Judge agreed!



HSE's "expected standard" = Ch 8? $\log = work on$ verge /hard shoulder + warning signs?] nb. NOT TESTED *IN COURT BUT* **IMPROVEMENT** NOTICE ISSUED

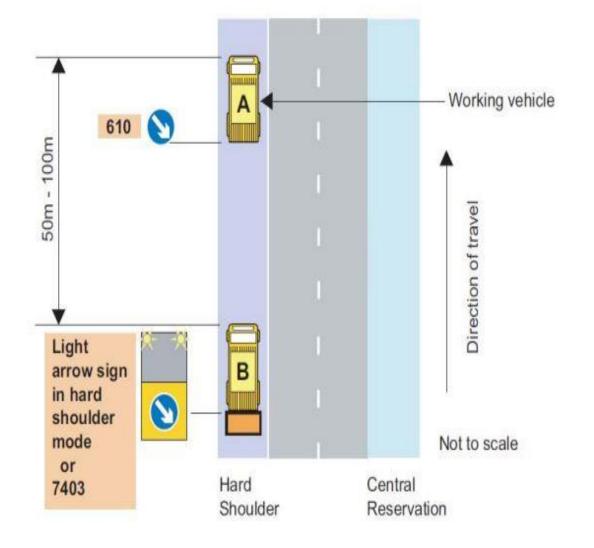


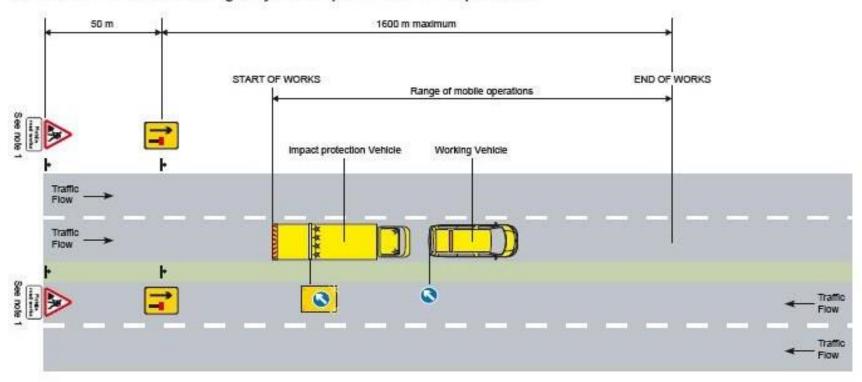
Figure 3: Plan MLC6

(reproduced from the Traffic Signs Manual Chapter 8 Part 1: Design, 2009)



apse training OR: Red Book - Mobile works?

Mobile works on a dual carriageway with a speed limit of 40 mph of less



Notes

- 1 Or permitted variants.
- 2 The need to place signs in the central reservation must be assessed before you proceed and you should consult your supervisor, manager or other competent person.
- 3 It is recommended that, on dual carriageways, works are carried out with an impact protection vehicle to safeguard operatives.
- 4 Where a risk assessment determines that it is necessary to display signs on the vehicles, they must comply with TSRGD (TSR (NI) in Northern Ireland). For offside closures, it is strongly recommended that vehicle-mounted signs are provided.

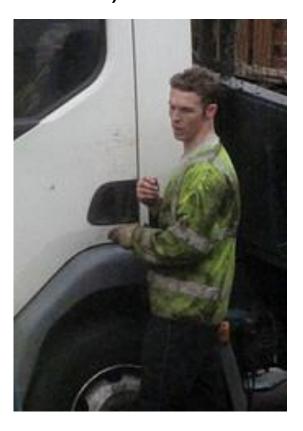


Hi-Vis?

- Suitability? (eg. vests vs sleeved?)
- Colour? (eg. yellow vs orange or mixed?)
- Worn? (ie. 'when required', or all the time? Heat?)
- Standard? (ie. EN 471 Class 3, or 2 used?)
- Maintained? (ie. Is it still 'hi-vis'?)

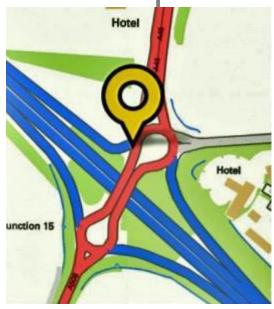






Use 'pictorial' assessments and plans?





- eg. 'Streetmap' style, with different colours highlighting 'green lanes' (less risky) and red routes or areas (higher risk)
- Also key hazardous points, safety and litter drop points, safe vehicle parking, etc.
- 'Take a map, some coloured pens and a packet of biscuits to the depot!'

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Potential health issues

- Vibration: Hand-Arm (HAVS) & Whole-Body
- Noise operators & bystanders
- Musculo Skeletal Disorders (MSD)
 - Manual handling, Repetitive Strain Injuries (RSI)
- Diseases, eg blood-borne (Hepatitis, HIV, etc from accidental injection), zoonoses (eg Tetanus, Leptospirosis / Weil's Disease, Lyme Disease, Toxicara), Legionella, etc
- Chemicals, eg pesticides, gases, fluids, poisonous plants, irritating saps and insects, [ie dermatitis, photo-sensitivity]
- Respiratory, eg dusts, biological agents, spores, fumes, etc
- Sun Skin cancer
- Drugs and alcohol (Testing policy?)
- Fatigue >>>>>
- 57RESS.....



apse trainin The effects of HAVS

- Disrupted blood circulation (VWF)
 - Fingertips can develop gangrene if exposure continues
- Neurological damage
 - Clumsiness
- Bone and joint disorders
 - Fingers no longer straighten
 - Muscles weaken





apse training Thanet Council HAVS case (Nov 2016)



- Strimmers used for 6 hrs/day
- for up to 10 yrs
- with no risk assessment or controls in place until 2014.

- 12 grounds maintenance workers diagnosed with **HAVS**
- + 40 others referred to 'Occupational Health'.
- Fined £250k + £18k costs
- Judge considered Council's cash reserves already 'dangerously low'.
- Civil claims will follow
- Total payouts likely to run into £millions....



training Most recent HAVS Case Wrexham (Oct 17)

- Judge: "A significant case, from 2011 to 2016."
- An affected worker complained
- Others found to be suffering HAVS mainly Street Scene operatives, using mowers, strimmers, leaf blowers
- Written policies in place but no system to ensure they were put into practice
- Despite being updated in 2004, 2006, 2011
- HSE working with the LA to ensure their Action Plan is implemented.

apse trainingManagement of N&V in practice (2)

Identify relevant 'high N&V' machines - Typical egs:

Ride on Mower 110db

Large pedestrian mower 112db

Hedge Trimmer 112db

Hand Held Leaf Blower 114db

Strimmer 114db

Chainsaw120db

- Other 'high N&V' machines used? eg:
 - Woodchippers, stump grinders?
 - Other hand tools (grinders, drills, etc)
- Consider nature of work, ie routine, seasonal and occasional/infrequent operations.



Measurement of Noise, HAVS & WBV





PPE – Suitability

- HAV?
 - No suitable PPE
 - A/V gloves ineffective
 - can even amplify!
- WBV?
 - No suitable PPE
- Noise?
 - Personal hearing protection BUT
 - Don't rely on it <u>must</u> control exposures by organisational/technical means first.





Noise & Vibration KEY STEPS (2)

- Manage exposure (eg points-based systems*) +
- Training
- Monitoring
- Health surveillance 'where appropriate', ie
 - above 85dB or susceptible individuals if requested between 80 and 85dB
 - baseline assessment + annual for 2 years
 - 3 yearly thereafter, unless cause for concern
- Keep records!





eg Using HSE's Ready Reckoner [H13]

| 3(25 20 | 315 | 900 | | | | | | | | |
|--------------------|---------------------|------|------|------|------|------|------|------|------|------|
| | | 000 | | | | | | | | |
| | _ | 625 | 1250 | | | | | | | |
| | 200 | 400 | 800 | | | | | | | i l |
| 19 | | 360 | 720 | 1450 | | | | | | |
| 18 | 160 | 325 | 650 | 1300 | | | | | | i l |
| 17 | 145 | 290 | 580 | 1150 | | | | | | i l |
| 10 | 130 | 255 | 510 | 1000 | | | | | | |
| 15 | 115 | 225 | 450 | 900 | 1350 | | | | | |
| 14 | 98 | 195 | 390 | 785 | 1200 | | | | | |
| 1: | 85 | 170 | 340 | 675 | 1000 | 1350 | | | | |
| 12 | 72 | 145 | 290 | 575 | 865 | 1150 | 1450 | | | |
| 11 | 61 | 120 | 240 | 485 | 725 | 970 | 1200 | 1450 | | |
| Vibration 10 | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | 1200 | | |
| m/s ² 9 | 41 | 81 | 160 | 325 | 485 | 650 | 810 | 970 | 1300 | |
| 8 | 32 | 64 | 130 | 255 | 385 | 510 | 640 | 770 | 1000 | 1200 |
| 7 | 25 | 49 | 98 | 195 | 295 | 390 | 490 | 590 | 785 | 865 |
| 6 | 18 | 36 | 72 | 145 | 215 | 290 | 360 | 430 | 575 | 720 |
| 5. | 15 | 30 | 61 | 120 | 180 | 240 | 305 | 365 | 485 | 605 |
| 5 | 13 | 25 | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 |
| 4. | 10 | 20 | 41 | 81 | 120 | 160 | 205 | 245 | 325 | 405 |
| 4 | 8 | 16 | 32 | 64 | 96 | 130 | 160 | 190 | 255 | 320 |
| 3. | | 12 | 25 | 49 | 74 | 98 | 125 | 145 | 195 | 245 |
| 3 | 5 | 9 | 18 | 36 | 54 | 72 | 90 | 110 | 145 | 180 |
| 2. | | 6 | 13 | 25 | 38 | 50 | 63 | 75 | 100 | 125 |
| 2 | 2 | 4 | 8 | 16 | 24 | 32 | 40 | 48 | 64 | 80 |
| 1. | 5 1 | 2 | 5 | 9 | 14 | 18 | 23 | 27 | 36 | 45 |
| 1 | 1 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 16 | 20 |
| | 15 m | 30 m | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
| | Daily exposure time | | | | | | | | | |

| Above limit value |
|---------------------------------|
| Likely to be above limit value |
| Above action value |
| Likely to be above action value |
| Below action value |

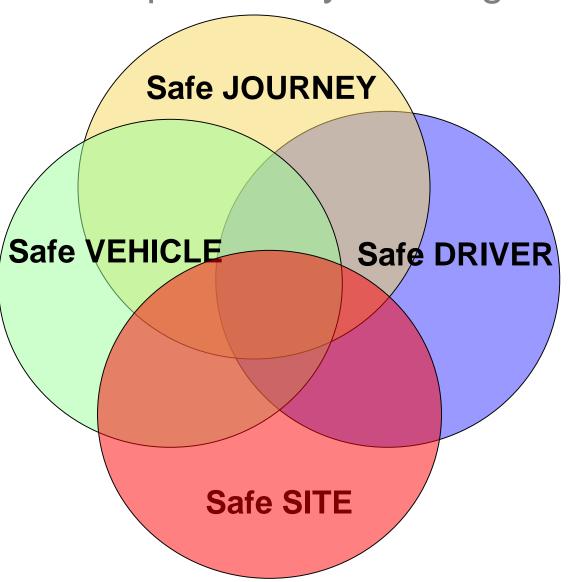


Safe(r) Driving

- Management of HSW Regs (1999) Employers should consider the risks to employees on the road in the same way as for those in a workplace.
- 'SatNav'/GPS tracking systems increasingly being used to monitor driving standards, speed, braking & fuel efficiency, lone/remote working, etc.
- 'The 'Driving Recklessly on Pavements' BIFFA-led campaign to raise awareness of the hazard to waste collection teams, etc.
- 'Defensive Driving' training [eg IAM] Useful for all staff!



Transport - Key messages



The Code of Practice for Highways Maintenance Management, s.13 (2)

- 13.7.21, (et seq)... "Ensure adequately trained and experienced staff:
- ..."To ensure appropriate level of competence, training and development needs of all personnel should be established and reviewed annually"
- "including health and safety and appropriate vocational qualifications"
- "Training provided before the Winter Service season!
- This includes those who might be drafted in, eg refuse collection, street cleansing and grounds maintenance staff.



Guidance (4) Other organisations

 + Environment & Waste Management Industry Group (guidance on Collection Route Planning)

Films, eg:

"Roadworker Safety: Silence is Consent"

Part 1 is available on You Tube at:

https://www.youtube.com/watch?v=oAvrFYkP3P0

Part 2:

https://www.youtube.com/watch?v=j0Os9wxZKog&t=103s

APSE - articles, advice, questions, surveys, etc.

- Highways Officers Safety Group (HOSG) film, workshop and quiz, at: http://www.hsog.org.uk/
- Road Workers' Safety Forum (RoWSaF)
 <u>www.rowsaf.org.uk/pdfs/RoWSaF_strategy_2015.pdf</u>



Guidance HSE

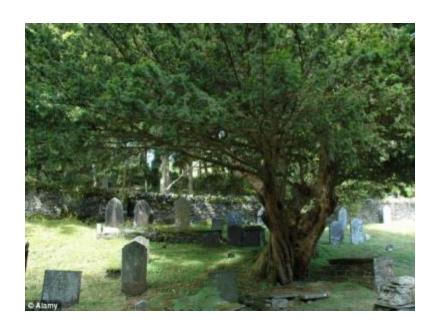
- General guidance via HSE webpages
- Managing work-related road safety:

http://www.hse.gov.uk/roadsafety/

- Safe use of vehicles in the workplace: www.hse.gov.uk/workplacetransport.
- Driving at Work INDG382(rev1)
 - Remember >25% of all road traffic incidents involve somebody driving as part of their work (DfTr stats).
- Crossing high-speed roads [on foot during temporary traffic management works]:
 - Construction Information Sheet CIS53

training At the end of the day... This is what we are all trying to avoid





Good luck or good management?