





Occupational Hygiene - Perceptions

- Dental
- Nurses
- Just monitoring
- · Legal compliance with standard

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NZ Occupational Hygiene Society (NZOHS)

- Network of occupational hygiene professionals
- Supports and promotes professionalism, practice and recognition of the profession in NZ
- Launched in 1994
- Society members exist of professional Occupational Hygienists
 - Companies
 - Private consultants
 - Government organisations Welcomes other H&S professionals, with an interest, to





Occupational Hygienist

- Observe workplace processes, procedures, operations
- Develop strategies to evaluate work site
- Assess potential worker exposure
- Use direct reading instruments, sampling techniques to measure levels
- Assess/determine airborne exposure of contaminants
- Evaluate effectiveness of control strategies
- Interpret results of exposure evaluations
- Work in multidisciplinary teams
- Advise, educate and train managers or employers and employees



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Anticipation and Recognition

- Understand the process what do they make, how, with what products, what sort of finishing?
- Have a look
- Discuss
- SDSs, research processes and hazards, previous monitoring, health monitoring, incident reports, employee feedback































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Measure Exposure? WES If monitoring done If relevant WES established If monitoring provides valid comparison (duration, representative of normal/worst case, statistically valid) If WES current and reflects international knowledge re health impacts Other health based criteria

3.5 WES & BEIs

Workplace Exposure Standard (WES)

Values that refer to the **airborne concentration** of substances at which it is believed that **nearly** all workers can be repeatedly exposed day after day **without coming to harm**.

The values are normally calculated on work schedules of five shifts of eight hours duration over a 40-hour work week.

Biological Exposure Index (BEI)

Guidance values for assessing biological monitoring results. It indicates a concentration **below** which **nearly** all workers should **not experience adverse health effects** from exposure to a particular substance.

Assessing exposure – common errors

- Not identifying the real risks/substances (just monitoring things that are easy to monitor)
- Ignoring some tasks/ exposure scenarios
- Not accounting for exposure duration
- Assuming similar or same exposure for similar tasks
- Just considering NZ WES
- ASSUMPTIONS (non specific, blanks, accuracy)





• Why assess exposure?

Legal stuff

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