



The Differences Between Active and Reactive Monitoring

Your Host:



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What is active and reactive monitoring?

☼ Active monitoring

☼ Reactive monitoring

☼ Why are both important?

Active monitoring methods

- ☼ Inspections
- ☼ Safety tours and sampling
- ☼ Surveys
- ☼ Safety monitoring
- ☼ Health surveillance
- ☼ Benchmarking

Inspections

- ❁ Systematic inspections

- ❁ Plant

- ❁ Sites or premises

- ❁ People

- ❁ Procedures

- ❁ Timescale of inspections

- ❁ Daily

- ❁ Weekly

- ❁ Monthly

- ❁ Other

Safety inspections

- ✿ Routine
- ✿ Statutory inspections
- ✿ Planned maintenance
- ✿ Pre-use checks

Checklists



Strengths of a checklist



Weaknesses of a checklist



Avoiding routine and familiarity

Safety tours and sampling

- ✿ Safety tours
 - ✿ High profile inspection
 - ✿ Guidelines
 - ✿ Objective
 - ✿ Safety observation tours
- ✿ Safety sampling

Surveys

Measuring specific hazards

Staff surveys

Other methods

Health surveillance

Benchmarking

Reactive monitoring

- ✿ Types of data
- ✿ Negative aspects of monitoring? Or not?
- ✿ When to carry out reactive monitoring
 - ✿ Single events
 - ✿ Trends and patterns
- ✿ Accident Incidence Rate (AIR)

Accident Incidence Rate (AIR)

$$I_R = \text{Incidence Rate} = \frac{\text{Injuries (per year)}}{\text{Employment}} * 100,000$$

Example:

2018: 800 workers

AIR = $20/800 \times 1000 = 25$ lost time accidents per 1,000 workers

2019: 1500 workers

AIR = $35/1500 \times 1000 = 23$ lost time accidents per 1,000 workers

Other reactive monitoring methods

Enforcement action

Civil claims

Questions to consider

- ✿ What are the statutory requirements for your inspections?
- ✿ Have you considered manufacturers' instructions for plant and equipment when assessing the need for and frequency of inspections?
- ✿ What sources of information does your organisation use for reactive monitoring?
- ✿ How can you implement checklists in your organisation so they don't become a routine exercise by the same person?

Things to remember

- ✿ When determining frequency of inspections, consider the level of risk associated with individual activities
- ✿ Use information collected from previous inspections to identify trends and spot regular compliance failures
- ✿ Engage with the workforce to see whether they have concerns
- ✿ Accident Incidence Rates are a great way to monitor health and safety performance when an organisation has a constantly changing workforce



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