SCIC Agencies Dialogue 2024: MOM's Regulatory Updates



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Presentation Agenda

- Overview of Safety Accountability, Focus and Empowerment (SAFE) Measures
- Revised framework to guide employers and protect outdoor workers against heat stress
- Reporting of Process-Related Incidents by MHIs
- Updates to Info Sharing



















SAFE Measures for Sustainable WSH outcomes

In May 2023, the Multi-Agency Workplace Safety and Health Taskforce (MAST) introduced a set of Safety Accountability, Focus and Empowerment (SAFE) measures for more sustainable WSH outcomes

The measures have been progressively implemented in the past 2 years.















SAFE measures were implemented to strengthen ownership at sectoral level; and company level

2023 2024-25





Expanded Demerit Point System Manufacturing Sector



Introduced more stringent safety requirements in Government tenders



Required Video Surveillance System for construction sites with project value ≥ \$5mil



Ensure safe use of machineries and combustible dust (To be implemented. More details to come in Dec 2024)





Chief Executives (CEs) to personally account for serious WSH lapses



CEs or Board Directors in high-risk industries to attend the Top Executive WSH Programme



Enhanced Workplace Health Surveillance programme for noise



Provided more support to SMEs through SME Centres





















SAFE measures were implemented to strengthen ownership at worker level; and to enhance deterrence for WSH breaches

2023 2024

WORKER LEVEL



Empowering workers and members of public to raise WSH issues through safety reporting



Introduced online micro-learning to Safety Orientation Course recertification

ENHANCED DETERRENCE



Doubled the quantum for Composition Fine from a minimum of \$1,000 to \$2,000 per WSH lapse)



Increased maximum fines from \$20,000 to \$50,000 for breaches in WSH Act Subsidiary Legislation that could result in death or serious bodily injury

















Updates to Managing Heat Stress at the workplace

We have continued to review the situation together with tripartite partners and released an update earlier in Sep 24.













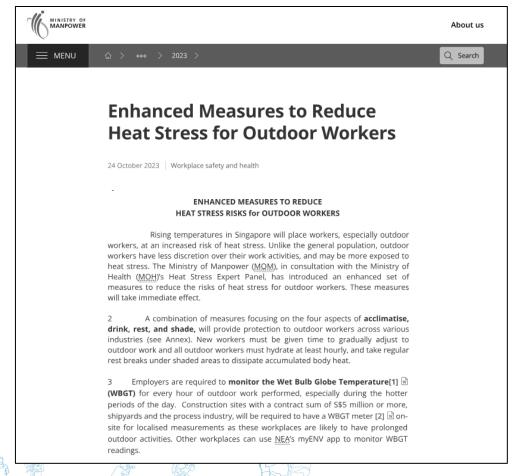




In Oct last year, MOM issued a press release on Enhanced Measures to Reduce Heat Stress for Outdoor Workers

A warmer climate puts workers, particularly those performing manual work outdoors, at

an increased risk of heat stress.







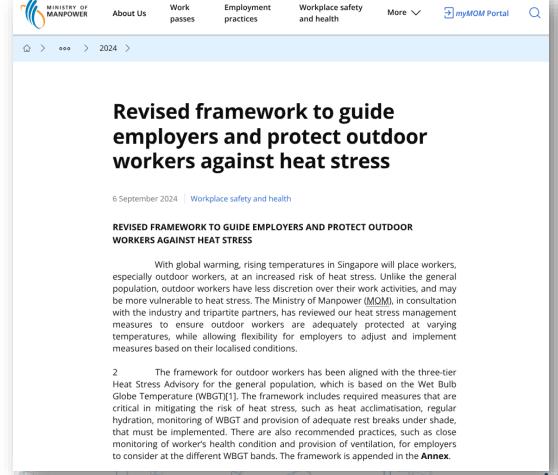




On 6 Sep 2024, MOM issued the revised framework to guide employers and protect outdoor workers against heat stress

The press release provided clarity on the required heat stress measures to protect

outdoor workers.











FOR OUTDOOR WORK

Wet Bulb Globe Temperature (WBGT) Bands Measures 31 ≤ WBGT (°C) < 33 WBGT(°C) < 31 WBGT (°C) ≥ 33 Below 31 31 to less than 33 33 and above Acclimatise workers new to Singapore or returning from leave of more than a week and gradually Acclimatise increase workers' daily heat exposure over at least 7 days^R Provide cool or cold drinking • Provide cool or cold drinking water supply near work areas water supply near work areas Rehydrate at least hourly^R Drink Rehydrate regularly^R (Recommended intake of 300ml per hour or more depending on work intensity) Ensure workers get Provide hourly rest breaks of a WBGT (°C) 31 to less than 32: adequate rest under shade minimum of 15 minutes for Ensure workers get for recovery from heat^R heavy physical work activity adequate rest under shade for recovery from heat^R Rest areas to be near work Longer rest periods recommended as WBGT areas, where feasible Rest areas to be near work increases areas, where feasible Rest & Shade WBGT (°C) 32 and above: Provide hourly rest breaks of a minimum of 10 minutes for heavy physical work activity when WBGT reaches 32°C and above R



Measures	Wet Bulb Globe Temperature (WBGT) Bands			
	WBGT(°C) < 31 Below 31	31 ≤ WBGT (°C) < 33 31 to less than 33	WBGT (°C) ≥ 33 33 and above	
Monitor WBGT	 Monitor WBGT every hour during work hours^R, especially during the hotter periods of the day On-site WBGT meters are required for construction sites with a contract sum of S\$5 million or more, shipyards and the process industry. Other workplaces can refer to the National Environment Agency's myENV app. 			
Reschedule	NA	 Reschedule outdoor physical work to cooler parts of the day where feasible 		
Monitor Worker	NA	 Close monitoring of worker's health condition, particularly for vulnerable workers Implement a buddy system: workers to look out for each other for signs of heat-related illnesses 		
	 Identify workers vulnerable to heat stress and make redeployment arrangements where required 		Redeploy vulnerable workers to non-outdoor work	
Emergency Response	Establish emergency responses plan and implement reporting procedures ^R			
	NA		Workplaces should have cold water, ice packs, water spray and cooler boxes on standby	
Ventilation	NA	Cool rest and work areas with fans, air coolers etc. Provide loose-fitting and light-coloured clothing to workers		
R: Requirements			Scan the QR code for details on heat	

























Thumbnail Name **QR Code** Revised framework to guide employers and protect outdoor workers against heat stress WSH Insights on Managing Heat Stress as Singapore gets Warmer FAQs on Heat Stress Measures for Outdoor Workers

Thumbnail	Name	QR Code
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Specifications for Wet Bulb Globe Temperature (WBGT) meters for workplace measurement? Comparise a require to mother 1807 of the varietypes to assess their sites as. WBGT meters used at varietyses and all meters are at the sites of the si	Specifications for WBGT Meters for Workplace Measurement	60 govsg
Monitor and Manage Heat Stress The major and of the heat stress are the of the bit shape. Manage Will of a misses Major and the major and the stress are Major and the stress are the stress are Major and the stress are the stress are Major and the stress are the str	Poster for "Monitor and Manage Heat Stress at Workplace"	GO 200 kg



WSH Guidelines on "Managing Heat Stress in the Workplace"







Process-Related Incidents (PRIs)

MHIs to report PRIs and step up vigilance.

















What is a Process-Related Incident (PRI)?



- WSH (MHI) Regs r19 <u>Duty of occupier</u> to (1) notify WSH Commissioner as soon as reasonably practicable and (2) report to Commissioner <u>no later than 10 days</u> after the occurrence of a PRI
- PRIs to be notified and reported include:
 - Unintended fires and explosion
 - Unplanned or uncontrolled **discharge of one or more dangerous substances** with release quantities above stated thresholds
- To notify and report to MHD, MHIs need to:
- Contact MHD immediately through the designated point of contact, upon the occurrence of a process-related incident.
- Submit a detailed report no later than 10 days after the incident online, via WSH Incident Reporting eService.
- After submitting the report, continue the investigation to determine the root cause of the process-related incident.
- As soon as the investigation is completed, update the incident report with the detailed investigation report, via WSH Incident Reporting eService.

Resources available:

- Dangerous substances release threshold quantities
- Occupier's guide to submit MHI process-related incident report
- Link to eService WSH Incident Reporting
- FAQs and related questions



















Info Sharing by MHIs

MHIs are to share relevant information with other MHIs to minimise impact and casualties for potential major accident.



















Background to Info Sharing by MHIs

- Info Sharing to be conducted among neighbouring MHIs, to communicate off-site consequences from major accidents and prevent domino impacts
- MHIs are regulated under the WSH (MHI) Regulations 2017
 - Safety Case Regime MHIs demonstrate responsibilities in proactively managing risks
 - Sharing of information by MHIs when notified by Commissioner, as required under r22













Info sharing allows affected parties to understand potential hazards from neighbours and enhance emergency response plans

- MHIs are required to provide other MHIs in the designated group the following info:
 - Basic information of the MHI
 - <u>General information</u> of substances causing the offsite impacts and their general properties to all MHIs in the cluster and
 - <u>Scenario-specific information</u> (fire, overpressure and toxic release scenarios) of how the affected MHI(s) may be impacted and recommended actions to take, based on actual contour(s) encroaching into neighbours

Guidelines have been drafted to provide clarity on the info required to be shared, along with examples, templates and FAQs.















Info Sharing: What to expect



MHIs are allocated into groups based on geographical clustering and will be notified by MHD to initiate info sharing within their groups.



Phase 1 was piloted on 8 MHIs located in Ayer Merbau group in 2023-24. Generally, feedback was positive; further refinement to the guidelines were also suggested by participants



What's next: MHD will roll out a phased-approach for other MHIs to implement info sharing.



MHD will notify MHIs which group they are in, the details of other MHIs in the group and the timeline of implementation. MHIs will be provided with guidelines as well as sufficient time to share the required information, and subsequently incorporate the information they have received into their Safety Case and Emergency Response Plans.









Thank you

















