

Fact sheet

Control plan – health control plan – exposure to extremes of temperature

November 2024

The Resources Regulator has developed a broad-brush risk assessment and a bowtie program to review principal hazard and control plan topics.

The bowtie program identifies the material unwanted events (MUE) and critical controls to prevent serious injury or death of mine workers.

The bowtie for the control plan topic Health control plan identified three MUE's and the critical controls for assessment programs. This fact sheet provides information related to the assessment program focussing on the MUE exposure to extremes of temperature.

Control plan – health control plan

MUE – exposure to extremes of temperature

MUE critical controls

The Regulator's assessment program will focus on the following critical controls to prevent worker exposures to extremes of temperature:

- workplace designed to minimise heat or cold stress
- tasks designed to minimise heat or cold stress
- engineered heating-cooling-dehumidifying air flow
- personnel conduct self-assessment of heat/cold stress
- emergency response.



Considerations

Mine operators should consider the material unwanted events above as a minimum and ensure that the review of critical controls to prevent serious injury or death is included within the site control plans and associated documentation.

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Relevant safety alerts, safety bulletins and information resources published by the Resources Regulator include:

Date published	Reference	Title
Updated 2024	Regulators web-site Heat Stress	https://www.resourcesregulator.nsw.gov.au/safety/health-and-safety-management/heat-stress
June 2024	Health Control Plan resources – heat stress	https://www.resourcesregulator.nsw.gov.au/sites/default/files/2024-06/heat-stress-2024.pdf
May 2024	Heat Stress Control Plan	https://www.resourcesregulator.nsw.gov.au/sites/default/files/2021-08/Heat-stress-control-plan.pdf
May 2024	Consolidated report Health Control Plan - Coal Mines	https://www.resourcesregulator.nsw.gov.au/sites/default/files/2024-05/Consolidated%20Report%20Health%20Control%20Plan%20Coal%20Mines%20-%20Sep%2022%20to%20Apr%2024.pdf
January 2024	Stay heat safe on mine sites 2023	https://www.youtube.com/watch?v=0kgk57NwQ5k
December 2023	Media release	https://www.resourcesregulator.nsw.gov.au/sites/default/files/2023-12/Media-release-Stay-heat-safe-on-mine-sites.pdf
2018	Compliance priority report	https://www.resourcesregulator.nsw.gov.au/sites/default/files/documents/compliance-priorities-outcomes-heat-stress-july-december-2019.pdf
May 2017	Fatality in UG metalliferous mine IIR 17-04	https://www.resourcesregulator.nsw.gov.au/sites/default/files/documents/iir1704-fatal-incident-peak-gold-mine.pdf

References

Program type	CP-1403
Control Plan	Health Control Plan – exposure to extremes of temperature
MUE number	MUE03

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