

# Fact sheet

## Control plan – health control plan – exposure to hazardous chemicals

November 2024



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

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

The bowtie for the control plan' topic of health control plan identified 3 MUEs and the critical controls for assessment programs. This fact sheet provides information related to the assessment program focussing on the MUE – exposure to hazardous chemicals.

## Control plan – health control plan

### MUE – exposure to hazardous chemicals



### MUE critical controls

The Regulator's assessment program will focus on the following critical controls to prevent worker exposures to hazardous chemicals:

- select process to avoid the use of chemicals (eliminate)
- select process which uses less harmful chemicals (substitute)
- workers separated from chemicals (isolation)
- chemicals separated from other chemicals (Isolation)
- use of tools or equipment to limit worker exposures
- dilution of chemicals
- use of chemical specific personal protective equipment (PPE)
- chemicals stored, handled, transported and used in fit for purpose equipment (as per GHS classification and dangerous goods (road and rail transport) legislation)

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## 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.

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

Date published	Reference	Title
Updated 2024	Regulators web-site hazardous chemicals	<a href="http://www.resourcesregulator.nsw.gov.au/safety/health-and-safety-management/hazardous-chemicals">www.resourcesregulator.nsw.gov.au/safety/health-and-safety-management/hazardous-chemicals</a>
August 2024	Consolidated report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2024-08/consolidated-report-coal-mines-health-control-plan-stage-2.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2024-08/consolidated-report-coal-mines-health-control-plan-stage-2.pdf</a>
June 2023	Targeted Program Report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2023-06/targeted-intervention-lead-exposure-at-metalliferous-mines.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2023-06/targeted-intervention-lead-exposure-at-metalliferous-mines.pdf</a>
21 April 2023	IIR23-02	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2023-04/iir23-02-narrabri-mine-ventilation-incident_0.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2023-04/iir23-02-narrabri-mine-ventilation-incident_0.pdf</a>
July 2022	Consolidated report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-07/Consolidated-report-air-quality-or-dust-coal-mines-above-surface.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2022-07/Consolidated-report-air-quality-or-dust-coal-mines-above-surface.pdf</a>
17 June 2022	SA22-01	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-06/SA22-01-Worker-burnt-during-hot-work.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2022-06/SA22-01-Worker-burnt-during-hot-work.pdf</a>
June 2022	Consolidated report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-06/Consolidated-report-air-quality-or-dust-or-other-airborne-contaminants-stage-2-coal-mines-below-surface.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2022-06/Consolidated-report-air-quality-or-dust-or-other-airborne-contaminants-stage-2-coal-mines-below-surface.pdf</a>
25 January 2022	SB22-01	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-01/Welding-fume-extraction-fans.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2022-01/Welding-fume-extraction-fans.pdf</a>
18 October 2021	SB21-07	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2021-10/SB21-07-Polyurethane-resin-selection.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2021-10/SB21-07-Polyurethane-resin-selection.pdf</a>
September 2021	Consolidated report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2021-09/DOC21-320519-NSW-Resources-Regulator-Consolidated-Report-PP0001636-1637-Metex-Air-quality_F.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2021-09/DOC21-320519-NSW-Resources-Regulator-Consolidated-Report-PP0001636-1637-Metex-Air-quality_F.pdf</a>
September 2021	Consolidated report	<a href="http://www.resourcesregulator.nsw.gov.au/sites/default/files/2021-09/DOC21-164814-NSW-Resources-Regulator-Consolidated-Report-PP0001677-Coal-UG-Air-quality_F.pdf">www.resourcesregulator.nsw.gov.au/sites/default/files/2021-09/DOC21-164814-NSW-Resources-Regulator-Consolidated-Report-PP0001677-Coal-UG-Air-quality_F.pdf</a>

## References

Program type	CP-1401
Control Plan	Health control plan – exposure to hazardous chemicals
MUE number	MUE01

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