



Mine Maintenance

Mobile Equipment Shutdown Unit

Mobile Maintenance/Safety Unit

Background:

- The development of the Mobile Maintenance/Safety Unit was an initiative of the Ernest Henry Mine maintenance team .
- The idea for the Mobile Shutdown Unit was conceived by maintenance staff who identified the need to accommodate the sites Isolation and Tag Out Procedure, immediate access to safety supplies, minor equipment and consumables for major maintenance tasks in field situations.

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Mobile Maintenance/Safety Unit

Essential factors considered were:

- Mobility - easily moved using a light vehicle;
- Use existing equipment - modify an existing maintenance trailer to meet the needs identified;
- A location for a Lock and Tag cabinet; and
- The ability to account for staff on the shutdown.

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Mobile Maintenance/Safety Unit

Risk Assessment/JSA:

- Following consultation with all maintenance crews a risk assessment was conducted on the design and fit-out of the unit.
- Immediately following construction a Job Safety Analysis was carried out in regard to the operation and training required for personnel using the unit.

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Mobile Maintenance/Safety Unit

The idea grew rapidly to accommodate additional safety needs such as:

- ◆ Immediate access to an eye wash facility
- ◆ First Aid Station
- ◆ Location for Material Safety Data Sheets (MSDS)
- ◆ Central location for Fire Extinguishers

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Mobile Maintenance/Safety Unit



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Maintenance/Safety Unit on Location



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Maintenance/Safety Unit Layout



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Mobile Maintenance/Safety Unit



Benefits identified following implementation:

➤ Assistance to contractors and sub-contractors unfamiliar with the work area by having everything centrally located.

➤ A point of assembly for evacuation prior to blasting operations.

➤ A reduction in time wasted due to travel to and from the workshop.



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Mobile Maintenance/Safety Unit



Major Benefits:

- Accountability of staff in event of Evacuation (Lock and Tag Register).
- Ability for the Supervisor to control entry to the work site.
- Shift Change Over Efficiency, pre shift briefing area.
- Emergency Assembly Area in Event of Fire etc.

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Mobile Maintenance/Safety Unit



Major Benefits cont:

- Storage Location for Safe Work Procedures, Job Safety Analysis and Service Manuals.
- Location of Emergency Eye Wash Station, First Aid Kit and Fire Extinguishers.
- Access to a Lock Out Station, including locks, personal danger tags etc.
- Storage for Personal Protective equipment.
- Easily transportable.

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Mobile Maintenance/Safety Unit



Practicality:

- Welders, tooling and equipment mounted to the unit remain at the machine location for the duration of the shutdown.
- Items such as first aid kits, danger tags, locks and workshop manuals are stored in the unit close to the job site.
- Suitable for any mobile maintenance shutdown situation.
- Could be mounted on a light vehicle tray rather than trailer mounted.

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Mobile Maintenance/Safety Unit



Information Exchange:

- The unit could be used in all open pit and most underground situations.
- The unit could be used on large civil construction work sites.
- The unit could be used for any business where normal workshop facilities are unavailable.

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Mobile Maintenance/Safety Unit



Concept:

The idea of a mobile maintenance unit is not new to EHM, however the construction of such a unit to accommodate the safety requirements of the site are.

If safety resources are readily available to staff at all times then they will use them, thus avoiding any temptation to take short cuts.

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Mobile Maintenance/Safety Unit



➤ Innovation and Originality:

- A Simple low cost solution for a broad range of identified safety issues.
- Most importantly it was developed by maintenance staff from the shop floor who use the equipment on a daily basis.

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