



Cut Rail Using Rail Saw

Warning

You cannot undertake this activity in the rail corridor unless you have completed a pre work brief and work site protection plan.

Reference should also be made to the [Protocol for Entering the ARTC Rail Corridor](#) and the [Business Rules for Working in the ARTC Rail Corridor](#)

Minimum Personal Protective Equipment (PPE) must also be met in line with the [Personal Protective Equipment \(PPE\) Work Instruction](#).

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|-----------------------|--|---------------------|---|-------------------------------------|
| Work Activity: | Cut Rail Using Rail Saw | | | WMS No: WHS-WI-100 |
| Coverage: | ARTC employees, and contractors directly managed by ARTC | | | Version No: 3.0 |
| Developed by: | Corporate Work Health and Safety Manager | Approved by: | Executive General Manager Enterprise Services | Date Approved: 28 April 2016 |

| <i>What are the tasks involved?</i> | <i>What are the hazards and risks?</i> | <i>What are the control measures?</i> | <i>Related Documents</i> |
|---|--|---|--|
| Plan the Work | Adverse impact on electrical infrastructure (signals, level crossings, interlocking) Hot Work | Advise Signal Electrician of job location and scope of work, and obtain advice and/or request attendance if required. Apply relevant hot works risk controls Consider additional PPE requirements (suitable hearing protection, face shield, goggles, gloves, P2 mask, spats) | Operating Manual and/or Safe Use Instructions Hot Works Work Method Statement |
| Inspect/check machinery and tools for any defects | Equipment failure Incorrect disc / blade (blade shattering) Unsafe handling of fuel | Visually inspect equipment before use to ensure all safety features are operational and there is no evidence of any damage or defects. Ensure that the disc / blade is suitable for the equipment and task Check maintenance records, if available. | Operating Manual and/or Safe Use Instructions |
| Set up equipment | Manual Handling | Apply relevant manual handling controls Mount rail saw clamp fixture onto rail and secure. Attach rail saw to the rail saw clamp. | Manual Tasks Work Method Statement |



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|-------------------------------------|---|---|---|
| Cutting Rail | Sparks Struck by cut rail Fire Vibration | Put in place a suitable exclusion zone (at least 5 metres radius) Ensure equipment is securely clamped to the rail Ensure the track is suitably restrained before cutting Take care as the rail may move once cut, or blade may jam during cutting Run saw at maximum speed before applying to rail If cut cannot be completed from one side, rail saw must be turned around. (turn off the rail saw, detach from clamp and re-attach to clamp) Use a spotter (to extinguish a spot fire if required) Rotate job as required | Operating Manual and/or Safe Use Instructions |
| Servicing / Refuelling | see related documents | Apply controls as per related documents | Operating Manual and/or Safe Use Instructions Plant and Equipment Servicing / Refuelling work method statement |



| References | |
|---|--|
| <p>Standards, Codes of Practice, Guidance:</p> <p>Operating Manual and/or Safe Use Instructions (as provided by manufacturer / supplier)</p> <p>Other work method statements as relevant, such as:</p> <ul style="list-style-type: none"> - Hot Works - Manual Tasks - Plant and Equipment - Servicing / Refuelling | <p>Plant / Equipment / Tools:</p> <p>Consider additional PPE requirements</p> <ul style="list-style-type: none"> - suitable hearing protection - medium impact full face shield - goggles - heavy duty firm grip gloves - P2 mask - spats <p>Suitable fire extinguisher</p> |
| <p>Training Requirements:</p> <p>Check that workers have been briefed on and/or have reviewed relevant Operating Manuals and/or Safe Use Instructions for the rail saw they will use.</p> <p>Check whether there are specific competencies for the work to be completed as the safe use of rail saws may form part of some competency units.</p> | <p>Inspection / Testing requirements:</p> |