

Task Risk Control Sheet

Maintain Vegetation – Mechanised BRACKE 16A/ Cutting shredding/chipping

RCS No: NR/L3/MTC/RCS0216/OT21
Issue: 1

Key Risks !

- Struck by Train
- Struck by OTP
- Struck by flying object
- Manual Handling
- Underfoot Conditions
- Work with hand tools

Personnel Involved

E&P	
S&T	
Track	
Off Track	✓
Property	

Tools / Equipment

Plant BRACKE C16A / Chipper

ALL WORK USING MECHANIZED TOOLS ON OR NEAR THE LINE SHALL BE UNDERTAKEN IN A GREEN ZONE

Key Risks	Controls	Implemented By
Trains	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/GA01 – Work On or Near the Line • Perform work with OTP in green zones • A 70m exclusion zone includes lines open to trains unless chain-throw protection is in place 	Line Manager
Underfoot conditions / Track Conditions	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/GH02 – Underfoot Conditions • Clear/distribute arisings as work progresses • Conduct pre-site survey to assess ground conditions and brief all staff on hazards • Check on usage of land and conditions, especially significant changes in elevated gradient • Monitor conditions on an ongoing basis; if circumstances change, especially significant changes in elevated gradient or height, cease work and review safe system of work <p>NOTE During adverse weather, high ride RRV may fail to stop on steep gradients compared to dry conditions.</p> <ul style="list-style-type: none"> • Do not use 'high-ride' machines on a gradient greater than 1 in 75 in wet conditions unless the following applies; <ul style="list-style-type: none"> • There are no worksites on the lower side of the gradient. • Only service braked trailers are attached. • No other on track plant is being used within 150 metres. • Additionally, on all occasions that on track plant is used, only use attachments in strict accordance with the Engineering Acceptance Certificate – NOTE this should be checked at the planning stage and verified during the machine controller's pre use check. 	All Staff
Manual Handling	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling • Only staff authorised to carry out slinging/coupling associated with the OTP shall perform the duties 	All Staff

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Use of OTP and Attachments when operating / transiting OHL / 3rd Rail /	<ul style="list-style-type: none"> See Risk Control Sheet NR/L3/MTC/RCS0216/GA019 – Working with or near OTP See Risk Control Sheet NR/L3/MTC/RCS0216/ MP01 – Use and Control of OTP See Risk Control sheets NR/L3/MTC/RCS0216/GA20 - Working Adjacent to DC Electrified Rails Risk Level 1- 5, See Risk Control Sheet NR/L3/MTC/RCS0216/GA21 – Working near Electrical Overhead Line Equipment 	Machine Controller																		
3rd Party Utilities	<ul style="list-style-type: none"> See Risk Control Sheet NR/L3/MTC/RCS0216/GA21 - Working Near Electrical Overhead Line Equipment The BRACKE C16A is not approved for working under live OLE Perform a pre-site survey to identify utility services – where necessary they shall be protected moved or isolated Where it is not possible to isolate / move or protect Third Party utilities apply the following controls: <ul style="list-style-type: none"> Implement an exclusion zone two tree lengths from line as per AFAG requirements. Demarcate the zone using ground markings applied during site survey. Brief the operator on the extent of the zone. Operate the machine within W6 gauge and use height limiters when transiting. Use height limiters when working in the vicinity of 3rd party power lines. Make operator aware of the contents of NR/L3/MTC/RCS0216/MP02, 03, 04, 05 and 07. 																			
Darkness / Poor Visibility	<ul style="list-style-type: none"> Where possible perform all work during daylight Provide suitable and sufficient lighting on machine/attachments - see guidance below Personal lighting shall be provided and used by supporting ground staff 	Line Manager / All Staff																		
<p>In line with the HSE Guidance 38, Lighting at Work, the following minima and average lighting levels shall be established for the various activities involved, this is the definition of suitable and sufficient for the purposes of this document.</p> <table border="1"> <thead> <tr> <th>Activity</th><th>Minimum Lighting Level</th><th>Average Lighting Level</th></tr> </thead> <tbody> <tr> <td>Site access</td><td>5 Lux</td><td>5 Lux</td></tr> <tr> <td>Site preparation</td><td>20 Lux</td><td>50 Lux</td></tr> <tr> <td>Chipping</td><td>20 Lux</td><td>50 Lux</td></tr> <tr> <td>De-veg activities (inc BRACKE 16A) at ground level</td><td>50 Lux</td><td>100 Lux</td></tr> <tr> <td>Tree climbing and use of chain saws at height</td><td>100 Lux</td><td>200 Lux</td></tr> </tbody> </table> <p>Achieved lighting levels shall be checked using a light meter at the point of activity prior to work commencing.</p>			Activity	Minimum Lighting Level	Average Lighting Level	Site access	5 Lux	5 Lux	Site preparation	20 Lux	50 Lux	Chipping	20 Lux	50 Lux	De-veg activities (inc BRACKE 16A) at ground level	50 Lux	100 Lux	Tree climbing and use of chain saws at height	100 Lux	200 Lux
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Road Rail Plant modifications	<ul style="list-style-type: none"> Only use Liebherr A900CZW Reinforced cab (windscreen) 	Line manager/ Machine Controller/ All Staff																		
Lifting plan – Machine Overloaded by Heavy tree	<ul style="list-style-type: none"> Use the BRACKE C16a Generic lifting plan. Use the generic Lifting Plan to determine maximum size of tree / worst position / largest cant. Mark trees that are too large with a BLUE DOT during site survey. Crane Controller shall stop operator if they notice operator cutting a too large a tree. 	Machine Controller/All Staff																		