Task Risk Control Sheet

Network Rail

Maintain Vegetation – Motor Manual - Chipping

RCS No: NR/L3/MTC/RCS0216/OT08
Issue: 4

Key Risks !

- **Struck by Train**
- **Struck by flying object**
- **Contact with machinery**
- **Manual Handling**
- **Underfoot Conditions**

Personnel Involved		
	E&P	
	S&T	
	Track	
	Off Track	✓
	Property	

Tools / Equipment Push Stick

Plant Wood Chipper

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

Key Risks	Controls	Implemented By
Trains	• See Risk Control Sheet NR/L3/MTC/RCS0216/GA01 – Work On or Near the Line	All Staff
Underfoot conditions	• See Risk Control Sheet NR/L3/MTC/RCS0216/GH02 – Underfoot Conditions • Arisings shall be cleared/distributed as work progresses • Pre-site survey to assess ground conditions and brief all staff on hazards • Arisings shall be cleared/distributed as work progresses • 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	All Staff
Darkness / Poor Visibility	• Where possible all work shall be performed during daylight • Suitable and sufficient lighting shall be provided see guidance below • See Task Control Sheet NR/L3/MTC/RCS0216/SP16 - Use of Site Lighting • Any site lighting shall be installed clear of path of machine and attachments	All Staff

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.

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 chain saw) at ground level	50 Lux	100 Lux
Tree climbing and use of chain saws at height	100 Lux	200 Lux

Achieved lighting levels shall be checked using a light meter at the point of activity prior to work commencing.

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Key Risks	Controls	Implemented By
Manual Handling	• See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 - Manual Handling • All material being fed into the chipper shall be cut to a manageable size.	All Staff
Fuelling of Plant: • Fire / Explosion • Contact with fuel	• See Risk Control Sheet NR/L3/MTC/RCS0216/GA17 – Decanting Fuel and Fueling Small Plant	All Staff
Use of Wood Chipper	• Check that planned preventative maintenance and inspection are in date.	Line manager /
	• Machine shall be mounted on a firm surface and is stable with adequate stable ground for operators to stand on • Adequate ventilation shall be maintained at all times • Set up an exclusion zone of 20 metres, using additional control measures as required • Eye protection (goggles / visor) to BS EN166.B shall be worn at all times when in the exclusion zone. • Machine shall only be operated by those trained and competent in their use • Pre-use checks shall be carried out so that safety guards and attachments are securely fixed in position • Do not put any part of your body into the in-feed hopper whilst the machine is running – use a push stick at least 1.5m long for short items and for the last piece of material being chipped. Let go of the material as soon as it is pulled/ engaged by the machine • Do not touch any moving parts when the engine is running or attempt to release trapped material • Shut down, remove engine key and secure before leaving or transporting machine	Staff
All Tasks including: • Being struck by objects	• An exclusion zone of 20m in line of site of the chipper intake is set up and maintained by the person in charge. • All staff to be advised that the speed of the feed rollers be turned down to the lowest speed when feeding timber in excess of 250 mm. • A nominated competent person is the only operative allowed within this exclusion zone to feed the chipper • The chipper shall be fed from the side so that the feed chute side plates screen the operative • Wear eye protection (BS EN166.B), protective clothing, such as non-snag outer clothing and gloves	Operator / Staff
Electrocution Contact with OHLE or DC electrified line or utility services	• 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 • Perform a pre-site survey to identify utility services – where necessary they shall be protected moved or isolate	All Staff
Lone Workers	• Lone working is not permitted when chipping	Line Manager/All Staff

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