

Vegetation Control

Issue date: 11/04/08
Review date: 19/02/11

SWMS number: SMS-06-SW-1018	SWMS Name: Vegetation Control			SWMS Team : Signal Review Team
Custodian (Position): Signal Services & External Resources Manager	Assumptions: Site specific risks are addressed and assessed in pre- work briefing			Content reviewed by Technical expert (SME) and RailCorp safety professional (position including Div/Group) Signal Services & External Resources Manager & SEQ Coordinator Asset Management Group Commercial / Renewals
Approving Authority (Position): Safety and Quality Manager Commercial / Renewals	Equipment/Plant/Tools: <ul style="list-style-type: none"> Vehicle Crane, guide ropes Brush Cutter (Whipper Snipper) Hedge Shears, Pruners, Machetes, Brush Hooks, Axes Fuels 	Records/Reporting: <ul style="list-style-type: none"> Worksite Protection Plan Pre-work Brief Daily Plant Checklist 	Permits/Licences required: <ul style="list-style-type: none"> Vehicle Crane certificate 	Personal Protective Equipment required: <ul style="list-style-type: none"> Safety Boots High Visibility Vests Hardhats Protective Clothing Safety Glasses <p>And as specified below.</p> <ul style="list-style-type: none"> Hard Hat with Face Guard, Leg Spats Hearing Protection Gloves During all Site Works a FIRST AIDER MUST be Present
Applicable Standards, Codes of Practice and guidance: <ul style="list-style-type: none"> OH&S Act 2000 OH&S Regulation 2001 Rail Safety Regulation 2003 RailCorp Network Rules & Procedures RailCorp Safety Management System. Signalling Maintenance Procedures Technical Maintenance Plan Signal Engineering Standards MSDS for all chemicals and hazardous Substances used on site 	Inspection requirements: Nil	Service schedule: Nil	Training/Qualification required: <ul style="list-style-type: none"> Construction Industry Induction Track Safety Awareness or RISI (Rail Industry Safety Induction) <p>And as specified below.</p> <ul style="list-style-type: none"> Vehicle Crane certificate 	

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Number	Step	Hazard or human error (Safety/Environmental hazards identified, including physical environment, human errors, plant and equipment)	Risk ranking before controls	Control (to be Implemented to eliminate or reduce the risk to the lowest practicable level)	Risk ranking after controls	Responsibility	Job step to be completed In accordance with (name associated documentation)
1	Supervisor undertakes site pre-work briefing and gives local induction.	Staff not Listening to Pre-Work Brief	B -	Identify all hazards, Staff to ensure they are properly Briefed as to risks involving Worksite.	D	Team Leader / Work Group Leader / All Staff	Pre-Work Briefing SMS-06-FM-0163
2	Supervisor verifies competence of personnel doing the task and currency of permits for work.	Expired Competency Cards & Permits, Unqualified type of Personnel for the Task.	B -	Visual Inspection of Personnel Competency Cards & Currency of Permits	D	Team Leader / Work Group Leader	Safety Training & Competence SMS-11-SR-0128
3	Review SWMS and confirm it is current.	Use of a SWMS that is out of date	C -	Ensure SWMS is current and up to date.	D	Team Leader / Work Group Leader	SWMS & SWI's SMS-06-PR-0023
4	Verify that plant and equipment for the task is fit-for-purpose.	Plant & Equipment kept in poor working condition	C +	Conduct a Daily Plant Checklist	D	All Staff	Plant SMS-06-GD-0225
5	Access , Egress and Working on site	Hit by Train	A	Pre-work Brief including Worksite Protection Plan, Site Induction and Inspection	C+	Worksite Protection Officer	Network Rules & Procedures, Safety Knowledge Management SMS-18-SR-0098
		Slips, trips and falls	C-	Pre-work Brief to identify potential hazards	D	Worksite Protection Officer	Workplace Risk Management SMS-06-PR-0104
		Injury from vehicles and plant equipment	B+	Provide a Site Plan detailing safe access paths, parking and location of facilities	C-	Worksite Protection Officer	Plant SMS-06-GD-0225
6	Start-up and Maintenance	General Process Hazards Cuts & Abrasions Filling up with Fossil Fuels Skin / Eye / Breathing irritations Injuries from Load / unload Equipment Starting up Brush Cutter (Whipper Snipper) Hand / Wrist Injury	C+ C+ B- C+	Use of PPE –Gloves Use of PPE –Gloves Fill in well Ventilated Areas MSDS for Chemicals Ensure workers are kept well clear of lift path. Use competent crane operators Use guide ropes if required Start up using Proper Procedures	D D C- D	All Staff All Staff Vehicle Crane certificate Holders All Staff	PPE SMS-06-GD-0323 Lifting Equipment Inspection SMS-16-FM-0089 Operating Manual Manual Handling Guide SMS-06-GD-0001

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7	Use of Brush Cutter (Whipper Snipper)	Flying Debris	C+	Only Operator to be in local vicinity, Check before cutting process, Other Employees to keep clear Use of PPE – Face Mask, Ear protection	D	All Staff	PPE SMS-06-GD-0323
		Cuts and Abrasions	C-	Use of PPE –Gloves	D		
		Vibration / Noise from Brush Cutter (Whipper Snipper)	C+	Use of PPE –Gloves, Ear protection	D		
		Changing Cord for Brush Cutter (Whipper Snipper)	B-	Switch Brush Cutter (Whipper Snipper) off before changing cord Use of PPE –Gloves	D	All Staff	PPE SMS-06-GD-0323
		Cuts , Slashes to Hands					
		Burns from Exhaust Muffler on Brush Cutter (Whipper Snipper)	B-	Use of PPE –Gloves, Employees to be Safety briefed about Hazard of Exhaust Mufflers	C-		
		Burns to Hands, Body					
		Injury to Legs / Body	C+	Use of PPE –Leg Spats	C-		
8	Use of Hedge Shears, Pruners, Machetes, Brush Hooks, Axes	Cuts and Abrasions	C-	Use of PPE - Gloves	D	All Staff	PPE SMS-06-GD-0323
		Loss of Fingers, Bodily Injury	B+	Use of PPE –Gloves , Employees to be instructed / Safety Briefed about Hazards of Sharp tools, Instruments	C+	All Staff	PPE SMS-06-GD-0323 First Aid SMS-06-PR-0039
		Slips and Falls walking around Worksite	C-	Identify hazards in Pre-work Brief	D	All Staff	PPE SMS-06-GD-0323
		Falling Branches	B-	Use of PPE –Gloves, Face guard, Other Employees to keep clear.	C-		

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NOTE: Each work group or team member must sign off on the SWMS to acknowledge they have been briefed about or instructed in the SWMS

RailCorp Level 2 Risk Matrix - Regional & Local (Workplace)		Likelihood/Frequency							Definition for Use - Regional & Local level (Workplace)	
		Event Frequency	Less than once every 1000 years	Once every 100 to 1,000 years	Once every 10 to 100 years	Once every 1 to 10 years	More than once per year up to and including 10 times per year	More than 10 times per year		
Consequence	Historical (Likelihood)	Unheard of in the rail industry	Has occurred once or twice in the rail industry	Has occurred many times in the rail industry, but not in NSW	Has occurred once or twice in NSW	Has occurred frequently in NSW	Has occurred frequently at specific locations	As an example, the Level 2 scale would be used when examining the risk of slips, trips and falls on specific RailCorp platforms within a region or at a particular station, or the risk of fire within a depot.		
	Workplace Predictive (Likelihood)	Not expected to occur	May occur only in exceptional circumstances	Could occur at some time but not likely	You would expect it to occur at least once in the next 10 years performing similar activities	You would expect it to occur at least once this year performing similar activities	You would expect it to occur at least once this month performing similar activities	There are 3 options for descriptors which can be used to determine the frequency category. One set of descriptors is provided for frequency, one for historical likelihood, and one for predictive likelihood in the workplace. Choose the most appropriate.		
		F1	F2	F3	F4	F5	F6	To score the risk, follow the steps:		
>10 Fatalities	C6	Disastrous	B-	B+	A	A	A	1. Identify the magnitude of the credible consequence if the risk were to occur. If applicable, risks should be considered in terms of the safety (this matrix), commercial and environmental impact (using other matrices).		
2-10 Fatalities	C5	Catastrophic	C+	B-	B+	A	A	2. Identify the likelihood of this level of consequence occurring. (This is done after considering the effectiveness of the current controls in place)		
1 Fatality (2-10 Major Injuries)	C4	Critical	C-	C+	B-	B+	A	3. Score the risk using the combination of likelihood and consequence ranking.		
1 Major Injury	C3	Major	D	C-	C+	B-	B+	Note: Where there are a range of credible consequences which may lead to a different level of risks and/or where the controls may be different. It may be useful to score the risk more than once.		
1 or more Minor Injuries	C2	Minor	D	D	C-	C+	B-			
First aid treatment, or illness/injury not requiring treatment	C1	Negligible	D	D	D	C-	C+	B-		