

Removal of Vegetation

Issue date: 08/04/08
Review date: 20/02/11

SWMS number: SMS-06-SW-1032	SWMS Name: Removal of Vegetation			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"> Chainsaw and Whipper Snipper Powered Hand Tools, Pneumatic Tools. Fossil Fuel, Oils 	Records/Reporting: <ul style="list-style-type: none"> Worksite Protection Plan Pre-work Brief Environmental Protection Plan Hazardous Substance Register, MSDS 	Permits/licences required: <ul style="list-style-type: none"> N/A 	
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. MSDS for all chemicals and hazardous Substances used on site National Code of Practice for Manual Handling [NOHSC:2005 (1990)] AS 2727-1997 Chainsaws - Guide to safe working practices AS 2726.1-2004 Chainsaws - Safety requirements – 	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"> TDTB197B RIC2304 TDTU701A 	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"> Sunscreen Lotion, Insect Repellent Leg spats. Ear Muffs, Ear Plugs Gloves During all Site Works a FIRST AIDER MUST be Present

Removal of Vegetation

Issue date: 08/04/08
Review date: 20/02/11

• AS/NZS 3576:1998 Clearing saws, brush cutters and grass trimmers - Guide to safe working practices		MIMS or METRE Ref: Nil		
--	--	----------------------------------	--	--

Removal of Vegetation

Issue date: 08/04/08
Review date: 20/02/11

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	Scrubbing using Chainsaw/ Whipper snipper	Ultra Violet Injuries		Use P.P.E i.e. Sunscreen, Hat, Sunglasses. take breaks			PPE SMS-06-GD-0323
	Muscle Injury	B-		Clear area before lifting. Warm up stretch. Don't over strain. Use manual handling techniques.	D		Manual Handling Guide SMS-06-GD-0001
	Ear Injury	B+		Wear appropriate hearing protection e.g. (ear muffs) when using powered hand tools, pneumatic tools.	D		PPE SMS-06-GD-0323
	Bites & Stings	B+		Remove undergrowth Care to be taken when opening locations and trackside equipment Wear protective heavy drill cotton trousers / long sleeve shirts / boots / gloves Wear insect spray if required. First Aid kit on site.	C	Team Leader / Work Group Leader / All Staff	PPE SMS-06-GD-0323 Work Around Elect. Equip. SMS-06-GD-0268
	Eye Injury	C-		Wear full-face shield.	D		PPE SMS-06-GD-0323
	Severe cut/laceration	A		Leg spats. Gloves. Full-length heavy drill cotton trousers / shirts.	C-		

Removal of Vegetation

Issue date: 08/04/08
Review date: 20/02/11

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)
6	Remove cut vegetation	Head Injury Hand Injury Eye Injury Muscle Injury	C+ B+ C+ B+	Hard hat must be worn when working Wear general-purpose gloves. Wear mandatory eye protection. Ensure all redundant vegetation is stacked in the same direction.	D D- D D	Team Leader / Work Group Leader / All Staff	PPE SMS-06-GD-0323 Manual Handling Guide SMS-06-GD-0001
		Bites & Stings	B+	Remove undergrowth Care to be taken when opening locations and track side equipment Wear protective heavy drill cotton trousers / long sleeve shirts / boots / gloves Wear insect spray if required . First Aid kit on site	C		PPE SMS-06-GD-0323 Work Around Elect. Equip. SMS-06-GD-0268
	Site specific hazards						

Removal of Vegetation

Issue date: 08/04/08
Review date: 20/02/11

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	
			F1	F2	F3	F4	F5	F6	
Consequence			Incredible	Improbable	Remote	Occasional	Probable	Frequent	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.
>10 Fatalities	C6	Disastrous	B-	B+	A	A	A	A	To score the risk, follow the steps:
2-10 Fatalities	C5	Catastrophic	C+	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).
1 Fatality (2-10 Major Injuries)	C4	Critical	C-	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 Major Injury	C3	Major	D	C-	C+	B-	B+	A	3. Score the risk using the combination of likelihood and consequence ranking.
1 or more Minor Injuries	C2	Minor	D	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.
First aid treatment, or illness/injury not requiring treatment	C1	Negligible	D	D	D	C-	C+	B-	