

Measuring Track

Issue date: 11/04/08
Review date: 21/02/11

SWMS number: SMS-06-SW-1075	SWMS Name: Measuring Track	SWMS Team: Track Review Team	
Custodian (Position): Track Works Manager Commercial / Renewals	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) Track Works Manager & SEQ Coordinator Asset Management Group Commercial / Renewals	
Approving Authority (Position): Safety and Quality Manager, Commercial / Renewals	Plant/Equipment/Tools: <ul style="list-style-type: none"> • Hand lamps for work at night • Measuring Trolley • Tape, Plumb bobs, level board • P2 Masks • Air quality metre ▪ Torches 	PPE required: <ul style="list-style-type: none"> • Safety Boots • High visibility orange vest • Hard hats • Safety Glasses • Protective Clothing • Hearing protection (as required) • Gloves (as required) 	
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 • EC14 – Guide to Electrical Workers Safety Equipment • National Code of Practice for Manual Handling [NOHSC:2005] 	Inspection requirements: Nil	Service schedule: Resurfacing Team Leader MIMS or METRE Ref: Nil	Permits/licences required: Nil PPE required: <ul style="list-style-type: none"> • Safety Boots • High visibility orange vest • Hard hats • Safety Glasses • Protective Clothing • Hearing protection (as required) • Gloves (as required) Training/Qualifications required: <ul style="list-style-type: none"> • Construction Industry Induction • Track Safety Awareness or • RISI (Rail Industry Safety Induction) • Applicable plant and safeworking competencies

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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	Manual measuring and marking out of Track Geometry	<ul style="list-style-type: none"> ▪ Striking workers with track machines ▪ Climbing ballast shoulders ▪ Live wires ▪ Paint 	C-	<ul style="list-style-type: none"> ▪ Must be briefed prior to entry to danger zone ▪ Walk only on site ▪ Correct manual handling methods ▪ Do not breathe in aerosol ▪ Steel tapes not to be used ▪ 	C-	All Staff	Spray Paint MSDS
2	Survey trolley set up, measuring and marking out of Track Geometry	<ul style="list-style-type: none"> ▪ Striking workers with track machines ▪ Lasers ▪ Tripping over trolley ▪ Manual handling of trolley 	C-	<ul style="list-style-type: none"> ▪ Must be briefed prior to entry to danger zone ▪ Do not look into laser ▪ Walk only on site ▪ Correct lifting methods ▪ Beware of rail gaps when moving trolley 	C-	All Staff	Survey Trolley Instruction Manual

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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		Definition for Use - Regional & Local level (Workplace)
	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		
>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-	