

# Patrol / Inspect Electrical Infrastructure

Issue date: 04/10/07  
Review date: 04/10/10

<b>SWMS number:</b> SM-06-SW-0514	<b>SWMS Name:</b> Patrol / Inspect Electrical Infrastructure			<b>SWMS Team:</b> Steve Goodwin Anne McDougal Shane Brown Craig Atchison Colin Marshall Phil Page Alan Merritt Eric Cheek Mark Holmes Kol Navidi Michael Holt
<b>Custodian (Position):</b> Business Systems Officer Metro North Region  Michael Swadling	<b>Assumptions:</b> Fine weather, daylight hours and planned work. Minimum 2 people to undertake task (for rail corridor or remote locations) All work carried out with power on			
<b>Approving Authority (Position):</b> General Manager Infrastructure Division	<b>Plant/Equipment/Tools:</b> <ul style="list-style-type: none"><li>Binoculars</li><li>Torch (if needed)</li><li>communications</li><li>Approved measuring equipment</li></ul>	<b>Records/Reporting:</b> Appropriate Maintenance Records TEAMS 3	<b>Permits/licences required:</b> n/a	<b>Content reviewed by Technical expert (SME) and RailCorp safety professional</b> (position including Div/Group)  Maintenance Engineer, Electrical, Illawarra  SEQ Systems Administrator
<b>Applicable Standards, Codes of Practice and guidance:</b> <ul style="list-style-type: none"><li>ESAA Guide to Electrical Safety Systems</li></ul>				
<b>PPE required:</b> <ul style="list-style-type: none"><li>Standard PPE</li></ul>				

# Patrol / Inspect of Electrical Infrastructure

Issue date: 04/10/07

Review date: 04/10/10

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	Inspect Electrical Infrastructure (eg. Bonds, OHW, T/L)	Slips trips falls	C-	Check hazardous locations register and avoid identified hazards Assess site and manage hazards	D	Supervisor	
		Fall from heights	C+	Check hazardous locations register and avoid identified hazards Assess site and manage hazards	C-	Supervisor	
		Manual Handling / Muscular Stress	B+	Manual Handling Training	B-	Team Manager	
		Struck by vehicle / plant	C+	Vigilance Lookout or spotter as required	C-	Supervisor	

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	
			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	
			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	
Consequence			F1	F2	F3	F4	F5	F6		
			Incredible	Improbable	Remote	Occasional	Probable	Frequent		
>10 Fatalities	C6	Disastrous	B-	B+	A	A	A	A	To score the risk, follow the steps:  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. Identify the likelihood of this level of consequence occurring. (This is done after considering the effectiveness of the current controls in place)  3. Score the risk using the combination of likelihood and consequence ranking.  Note: Where there are a range of credible consequences which may lead to a different level or risks and/or where the controls may be different. It may be useful to score the risk more than once.	
2-10 Fatalities	C5	Catastrophic	C+	B-	B+	A	A	A		
1 Fatality (2-10 Major Injuries)	C4	Critical	C-	C+	B-	B+	A	A		
1 Major Injury	C3	Major	D	C-	C+	B-	B+	A		
1 or more Minor Injuries	C2	Minor	D	D	C-	C+	B-	B+		
First aid treatment, or illness/injury not requiring treatment	C1	Negligible	D	D	D	C-	C+	B-		

# Patrol / Inspect of Electrical Infrastructure

Issue date: 04/10/07

Review date: 04/10/10

**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**

Team member name (Please print)	Team Member signature	Instructor/ Briefer name	Date	Team member name (Please print)	Team Member signature	Instructor/ Briefer name	Date