

Work In Depot - Compound

Issue date: 19/10/10
Review date: 14/06/13

SWMS number: SMS-06-SW-0968	SWMS Name: Work In Depot - Compound			SWMS Team: Civil Construction Review Team
Custodian (Position): Services Manager Civil	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) Services Manager Civil and Safety facilitator, Safety Support Services Division.
Approver (Position): Civil Electrical Works Manager Infrastructure Renewals	Plant/Equipment/Tools: <ul style="list-style-type: none"> • Crane, Vehicles, Trucks • Barricades, Demarcation Fencing, Signs • Straps, Ties • Fire Extinguishers. • Construction / Mechanical Equipment • No-Spill Fuel Cans, Spill Response Kit • Power Tools, Extension Cords • Silt Fencing, Hay Bales, Bungs • First Aid kit • Separate Hazard Containers 	Records/Reporting: <ul style="list-style-type: none"> • Worksite Protection Plan • Pre-work Brief • Sit Specific Management Plan • Electrical Test Tags • Daily Plant Checklist • Hazardous Substance Register, MSDS • Electrical Permits • Housekeeping Form • SMS element 1-20 	Permits/licences required: <ul style="list-style-type: none"> • Dogman Certificate • Crane Operator Certificate • Truck Drivers Licence • Car Drivers Licence • Electrical Permit Holder 	PPE required: <ul style="list-style-type: none"> • Safety Boots • High Visibility Vests • Hardhats • Protective Clothing • Safety Glasses / Face Shield <p>And as specified below.</p> <ul style="list-style-type: none"> • Ear Plugs / Ear Muffs • 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 • SMS And Network Rules • Rail Safety Regulation 2003 • Railcorp Safety Policy • Railcorp Network Rules & Procedures • Railcorp Safety Management System. • MSDS For All Chemicals And Hazardous Substances Used On Site • Working Near Overhead Power Lines • AS 2550.5-2002 Cranes, Hoists And Winches - Safe Use - Mobile Cranes • EC14 – Guide To Electrical Workers' Safety Equipment • Workcover Nsw Plant Guide • National Code Of Practice For Manual Handling [Nohsc:2005] 	Inspection requirements Nil	Service schedule: Nil	Training/Qualification required: <ul style="list-style-type: none"> • Construction Industry Induction • RISI (Rail Industry Safety Induction) 	

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1	Delivery Or Pickup Of Materials	Personnel Struck By Vehicles Or Machinery	B+	Implement restriction zones (6m). Use reversing beepers. Use ticketed operators. Plan work to avoid site congestion. Competent Operator	C+	Team Leaders Work Group Leaders All Staff Workcover Ticketed Operator SMS-11-GD-0243	SSMP, Pre work Briefing SMS-06-FM-0163 Plant SMS-06-PR-0225
		Struck By Crane Or Load	B+	Implement exclusion zones for workers not involved in loading/ unloading. Control load with tag lines. Position dogman with clear escape route away from anticipated load movement. Wear head protection.	C+	Workcover Ticketed Operator And Dogman SMS-11-GD-0243 Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Failure Of Lifting Equipment From Overloading	B+	Select appropriate equipment for task. Competent operators to assess loads prior to lifting. Equipment to be properly maintained and marked.	C+	Team Leader Work Group Leader. Workcover Ticketed Operator And Dogman SMS-11-GD-0243	SSMP, Pre work Briefing SMS-06-FM-0163 Lifting Equipment SMS-16-FM-0089 Plant SMS-06-PR-0225
		Contact With Live O/H Wires (High Voltage)	A	Maintain regulated clearances on wires at all times. Isolate power when in side Safe approach distance (SAD).	C+	Qualified Permit Holder QEL29/MEI61 Team Leaders Work Group Leaders All Staff	Electrical Equipment SMS-06-GD-0268 Electrical Permits SMS-06-EN-0577
		Noise From Plant	C+	Implement exclusion zones. Use appropriate plant with noise control measures. Use ear protection.	D	Team Leader Work Group Leader All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Unstable Loads	B+	Ensure materials are secured before transit. Don't exceed safe working load of equipment check loads are stable before removing ties	C-	Workcover Ticketed Operators SMS-11-GD-0243 Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 Plant SMS-06-PR-0225
		Manual Handling Injuries	B-	Use correct manual handling techniques. Rotate staff on repetitive tasks. Use gloves if required	C+	Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001

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		Transfer Of Hazardous Materials	B-	Read MSDS first. Use recommended PPE. Use recommended handling methods. Have spill kit available. Place in suitable secure storage.	C-	Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 MSDS Hazardous Substances SMS-06-GD-0199
2	Storage Of Materials	Exposure To Hazardous Substances	B-	Read MSDS and follow directions for storage of substances	C-	Team Leader Work Group Leader Ticketed Operator	SSMP, Pre work Briefing SMS-06-FM-0163 MSDS Hazardous Substances SMS-06-GD-0199
		Materials Falling Or Staff Hitting Or Dislodging Material Vehicles Hitting Stockpiles Materials	B-	Staff not to climb stockpiled material adequate isles for staff and equipment to be left between stacks. Materials to be stored on level ground. Materials to arranged in stable stacks materials to be clear of running lines	C-	Team Leader Work Group Leader All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 House Keeping SMS-16-FM-0069
3	Maintenance Or Preparation Work Undertaken In The Depot	Hit By Moving Or Falling Object	B-	Hard hats to be worn at all times. Implement exclusion zone for workers not involved in tasks. Plan work sites to avoid congestion	C-	Team Leader Work Group Leader All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Flying Objects	C+	Implement exclusion zone wear eye protection	D	Team Leader Work Group Leader All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Manual Handling Injuries	B-	Use correct manual handling techniques. Rotate staff on repetitive tasks. Use gloves if required	C+	Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001
		Contact With Or Slip Due To Fuel/Oil Spills	C-	Plant to be inspected daily. Use correct methods for filling machinery. Maintain spill response kits on-site.	D	Ticketed Operator Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 Environmental Protection Plan Plant SMS-06-PR-0225

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		Electric Shock From Power Tools	B+	All tools tested and tagged take care to route extension cords away from work areas do not use power tools in wet conditions. Use power sources with RCD (earth leakage) protection or double insulated source and tools.	D	Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Contact With Overhead Power	A	Maintain regulated clearances on wires at all times. Isolate power when in side Safe approach distance (SAD).	C+	Qualified Permit Holder QEL29/MEI61 Team Leaders Work Group Leaders All Staff	Electrical Equipment SMS-06-GD-0268 Electrical Permits SMS-06-EN-0577
		Cuts, Scratches And Abrasions	C-	Gloves , long sleeved shirts and trousers to be used as necessary	D	Team Leaders Work Group Leaders All Staff	SSMP, Pre work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323

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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

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RailCorp Level 2 Risk Matrix - Regional & Local (Workplace)		Likelihood/Frequency						
		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
Consequence		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
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-

Definition for Use - Regional & Local level (Workplace)

Used for workplace hazards and safety risks that do not consider the whole of the network. Indicatively this matrix is appropriate for use where the hazards under consideration are up to 10% of the total network exposure. This includes regional and local workplace risk assessments.

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.

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.

To score the risk, follow the steps:

- 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).
- Identify the likelihood of this level of consequence occurring. (This is done after considering the effectiveness of the current controls in place)
- 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 of risks and/or where the controls may be different. It may be useful to score the risk more than once.