

# Inspection Maintenance and Operation of Side Dump Wagons

Issue date: 09/04/08  
Review date: 25/08/11

<b>SWMS number:</b> SMS-06-SW-1073	<b>SWMS Name:</b> Inspection Maintenance and Operation of Side Dump Wagons			<b>SWMS Team:</b> Work Train Operations Review Team
<b>Custodian (Position):</b> Manager Work Train Operations	<b>Assumptions:</b> Maintenance to be conducted during daylight hours. Track on which maintenance is to take place is isolated.			<b>Content reviewed by Technical expert (SME) and RailCorp safety professional</b> (position including Div/Group) Manager Work Train Operations & SEQ Coordinator Asset Management Group Commercial / Renewals
<b>Approving Authority (Position):</b> Safety Environment and Quality Manager Commercial Renewals	<b>Plant/Equipment/Tools:</b> <ul style="list-style-type: none"> <li>• Compressor</li> <li>• Red flag</li> <li>• Point clip</li> </ul>	<b>Records/Reporting:</b> RSS 011 RSS 013 R1 Inspection Report sheet Risk Assessment	<b>Permits/licences required:</b> Not Required	
<b>Applicable Standards, Codes of Practice and guidance:</b> <ul style="list-style-type: none"> <li>• RailCorp Freight Rolling Stock Maintenance Standards</li> </ul>	<b>Inspection requirements</b> <ul style="list-style-type: none"> <li>• R1 inspection annually</li> </ul>	<b>Service schedule:</b> RSS011 RSS013  <b>MIMS or METRE Ref:</b> Nil	<b>Training/Qualifications required:</b> Qualified wagon maintainer	<b>PPE required:</b> <ul style="list-style-type: none"> <li>• Safety Vest</li> <li>• Steel capped boots</li> <li>• Gloves</li> <li>• Bump Hat</li> </ul>

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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	Place track protection	Slip, Trip, Fall walking on uneven surfaces	C+	Wagons maintained in sidings with flat level walkways, daylight hours only	D	Yard Controller	Network Rules
2	Secure the wagon to the rail	Manual handling, Muscular Stress	C+	Correct lifting technique, manual handling training	C-	Maintainer	SWI
3	Attach compressor to vehicle / start up	Manual handling, Muscular Stress	C-	Correct lifting technique, manual handling training	D	Maintainer	SWI compressor
		Strike injury, opening and closing compressor hood	C-	Correct lifting technique, manual handling training	D	Maintainer	SWI compressor
		Exposure to compressed air	C-	Safety net displayed on canopy of compressor, Training in operation	D	Maintainer	SWI compressor
4	Visual inspection of wagon	Strike injury	C-	Defined exclusion area, PPE	D	Maintainer, Yard Controller	Network Rules RSS011, RSS013
5	Maintenance of bogies, brakes	Strike injury	C+	Wearing of gloves, PPE	D	Maintainer	RSS011
6	Tilt wagon R1 Maintenance	Strike injury	C+	Defined exclusion area, vehicle not full of ballast, rail anchor chain fitted	D	Maintainer	RSS013
	Tilt wagon normal operation	Strike injury	C+	Defined exclusion area, vehicle loaded, rail anchor chain fitted, PPE	D	Operator	RSS013
7	Examine linkages, cylinders both sides	Strike injury	C+	Defined exclusion area whilst in tilted position , PPE	D	Maintainer	RSS013
8	Return wagon to normal position	Strike / hit	C+	Ensure that door and wagon body return to the normal position, PPE	D	Maintainer / Operator	SWI
9	Detach compressor from vehicle / shut down	Manual handling, Muscular Stress	C-	Correct lifting technique, manual handling training	D	Maintainer	SWI compressor
		Strike injury, opening and closing compressor hood	C-	Correct lifting technique, manual handling training	D	Maintainer	SWI compressor
		Exposure to compressed air	C-	Safety net displayed on canopy of compressor, Training in operation	D	Maintainer	SWI compressor

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10	Remove protection	Slip, Trip, Fall walking on uneven surfaces	C+	Wagons maintained in sidings with flat level walkways	D	Yard Controller	Network Rules

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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							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		
>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 risk 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-	