

# SWMS – Civil maintenance removing animals from the corridor.

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

<b>SWMS number:</b> <b>SMS-06-SW-0762</b>	<b>SWMS Name:</b> Removing animals from the corridor			<b>SWMS Team:</b> Livio Radman Trevor Hicks John Jobson Michael Holt Dragan Sukara Mick Meehan
<b>Custodian (Position):</b> Business Systems Officer, Illawarra Region. Peter Sharpe.	<b>Assumptions:</b> Fine weather, day or night time, rail tracks operational with OHW power live. Animals can be live, injured or dead. Staff have had Regional Induction. Staff briefed in SWMS: Civil inspections and maintenance in the danger zone of the railway track. Staff briefed in SWMS: Civil inspections and maintenance on the Right of Way, outside the danger zone of the railway track.			<b>Content reviewed by Technical expert (SME) and RailCorp safety professional</b> (position including Div/Group)
<b>Approving Authority (Position):</b> General Manager, Infrastructure Maintenance.	<b>Plant/Equipment/Tools:</b> <ul style="list-style-type: none"> <li>• Rope</li> <li>• Sling</li> <li>• Vehicle</li> <li>• Shovel and bar.</li> <li>• Lime</li> <li>• Hessian or plastic bags</li> <li>• Fence wire.</li> <li>• Pliers.</li> <li>• Torch if required.</li> <li>• Tarp if required.</li> </ul>	<b>Records/Reporting:</b> Incident report form.	<b>Permits/licences required:</b> Nil	<ul style="list-style-type: none"> <li>• Safety Officer - Asset Management, Metropolitan Infrastructure, Illawarra.</li> <li>• Civil Engineer - Asset Management, Metropolitan Infrastructure, Illawarra.</li> </ul>
<b>Applicable Standards, Codes of Practice and guidance:</b>  Nil.	<b>Inspection requirements</b>  Nil	<b>Service schedule:</b>  Nil	<b>Training/Qualifications required:</b> <ul style="list-style-type: none"> <li>• Visually inspect and monitor track, as required.</li> <li>• Record and analyse track parameter as required.</li> </ul>	<b>PPE required:</b> <ul style="list-style-type: none"> <li>• Steel Cap Boots.</li> <li>• Safety Glasses.</li> <li>• Long sleeve shirt.</li> <li>• High visibility Vest</li> <li>• Hard hat</li> <li>• Full face shield as required.</li> <li>• Gloves as required.</li> <li>• Goggles and P1 mask as required.</li> <li>• Disposable overalls as required.</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.	Locate the animal.	Struck by train.	A	Worksite protection as appropriate.	B-	Worksite supervisor	Network Rules and Procedures.
		Slips, trips, falls and fall from heights.	B+	Identify, and avoid identified hazards. Use torch at night. Use vehicle spotlight where possible. Locate from access road where possible. Do not run. Stay safe distance from drops, eg cutting edges, culverts etc.	B-	Worksite supervisor Team member	
2.	Visually check condition of animal.	Struck by train.	A	Worksite protection is appropriate.	B-	Worksite supervisor	Network Rules and procedures.
		Attack from live animal.	B-	Identify type of animal. Approach animal with caution. If in doubt do not approach animal, and call animal professional if required. Eg RSPCA, WIRES, farmer, vet or police.	C+	Worksite supervisor Team member	
3.	Removing animal from the danger zone or corridor, or transporting injured animal.	Attack from live or injured animal.	B-	Use rope to avoid contact with animal. Use shovel or bar to avoid contact with animal. If animal is not injured, herd animal out of corridor with caution. If in doubt do not approach animal, and call animal professional if required. Eg RSPCA, WIRES, farmer, vet or police.	C+	Worksite supervisor Team member	

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		Contact with blood borne pathogens.	D	Wear inner latex gloves and outer work gloves. Wear disposable overalls if required. Wear full face shield or goggles. Wear P1 mask if required. Place plastic in tray of utility. Clean utility and tools with disinfectant as per MSDS. Dispose of soiled plastic, gloves etc into a sealed garbage bag.	D	Team Member	SMS-06-SW-0530. Protective gloves. SMS-06-SW-0529. Eye protection. MSDS: Applicable to chemical being used.
		Manual handling	C+	Correct manual handling techniques. Use vehicle and rope to drag animal. Use trolley if required, eg when large animal in tunnel.	C-	Team Member	SMS-06-GD-0001. Guide to Manual Handling.
4.	Burying a dead animal.	Manual handling	C+	Correct manual handling techniques.	C-	Team Member	SMS-06-GD-0001. Guide to Manual Handling.
		Electric shock from severing underground power cables.	B+	For small animals, carefully hand dig a shallow hole in a location unlikely to have cables. Do not bury large animals without cable search. Cover with lime and tarp if required. Return with cable search in daylight hours with machine.	C+	Worksite supervisor	SWI for applicable plant. SMS-06-SW-0384. Service search. Dial B4U Dig.
		Contact with Lime.	C+	Use and follow MSDS.	C-	Team Member	Lime MSDS.
5.	Check fences and gates, and repair when necessary.	Refer to SWMS – Civil inspection and maintenance work on boundary fences.					

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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							<b>Definition for Use - Regional &amp; Local level (Workplace)</b>  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:  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 of risks and/or where the controls may be different. It may be useful to score the risk more than once.
		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	
			F1	F2	F3	F4	F5	F6	
Consequence		Incredible	Improbable	Remote	Occasional	Probable	Frequent		
>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-	