Document no. SMS-06-SW-0542	Work description Train wash		
	Scope Preparation, Roles and Responsibilities, Washing and Rinsing the train in the Washplant. Emergency procedures.		
Review date 20/09/13	References • OHS Act 2000 section 8 (1,2) 20 (1,2) 21 • SMS-06-SW-0541 Driving Trains through Hornsby Wash plant • SMS-06-SW-0487 Entering Trains from Ballast • SMS-06-SW-0488 Climbing out of Trains onto Ballast		

Responsible supervisor	PPE and precautions	Competencies or qualifications	Licences or permits required
Shunter & Operations Planner	▪ High visibility vest ▪ Safety Footwear	Wash Plant Operator Induction Track Safety Awareness Electrical Safety Awareness OR Rail Industry Safety Induction	N/A

Tools and equipment required
As described below Two way radios

IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT.

Introduction	RailCorp trains are washed in the purpose-built train wash buildings using a train wash solution that contains 1% diluted acid-based detergent. During the wash process: ▪ train wash solution is applied to the train exterior using a low-pressure spray ▪ the solution is applied via the foaming arch at the entrance to the wash ▪ as the train advances at 4km/h, the solution cleans the train ▪ the train is scrubbed and rinsed with recycled water ▪ the train is rinsed with fresh water

	Notes
	▪ *To reduce water usage, wash water is collected and recycled back into the process. A weir tank is incorporated in the plumbing to allow for the monitoring and treatment of the solutions prior to discharge into sewage system.* ▪ *Rinse water pH is maintained within a range of 5.5 and 8.5. If the rinse water falls outside this range the wash plant is to be stopped and the pH corrected.* ▪ *Electronic signs are fitted to each end of the wash plant and indicate that the solutions are within the prescribed range. The plant automatically shuts down the pumps to the acid and rinse water if these are not within range.* ▪ *If the solution is outside the prescribed range, trains are to be washed with water only*

⚠	*Warning* • Carryovers are not to be taken through the train wash. • Carryovers must alight prior to the train being washed and escorted by a PO1 or better from the site. • Cleaners must not be on the train going through the train wash.

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Roles and responsibilities	Wash plant Operator	The wash plant Operator: ▪ controls wash plant operations ▪ monitors the operating conditions of the plant ▪ before the day's wash program starts, establishes communication with the train drivers and the Shunter ▪ confirms that drivers have been inducted ▪ advises driver of polymetron reading (if requested) ▪ maintains wash plant records ▪ checks electronic monitoring systems ▪ when the plant is in operation, makes sure that the strobe (flashing) lights are working ▪ logs car or set numbers ▪ assists the driver in the event of an emergency
	Drivers (one at each end of the train)	Drivers: ▪ collect two way radios from relevant Line Supervisors ▪ go to train that is to be washed ▪ proceed to wash plant ▪ make sure that all windows are closed and that cabin doors are secured ▪ inform the Shunter that the train is ready to enter the wash plant (leading driver) ▪ receive train movement direction from Shunter ▪ sounds the horn ▪ in the event of an emergency, stop the train and use the radio to tell the wash plant operator to stop the plant ▪ check windscreen wipers when exiting train wash ▪ stable train when wash process is complete ▪ complete the Drivers Shift Form to report faults or leaks detected during the wash
	Cleaners	Cleaners ▪ before the train enters the wash plant close all windows and doors ▪ when the wash is complete mop the train floors ▪ squeegee out any water or train wash solution that has entered the train
	Shunter	Shunter: ▪ confirms that Drivers have been inducted ▪ provides "right of way" for the train wash procedure to begin ▪ takes up a position so that they can observe all train movements during the wash ▪ gives right of way when the wash plant strobe lights are activated, indicating that the wash plant is clear to enter

Emergency procedures	Problems with the train	Leading Driver: ▪ stops the train ▪ immediately broadcasts "STOP! STOP! STOP!" over the radio Wash plant Operator: ▪ activates the emergency button to stop the plant Leading Driver: ▪ moves through the train to find a safe exit point Wash plant Operator, Shunter and other Driver: ▪ assists the leading Driver to an emergency shower, if necessary Leading Driver: ▪ reports the incident to the Line Supervisor using the Driver's Shift Form Report all injuries to the Hotline on 1800 772 779

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Emergency procedures cont	Dealing with wash splashes	For a small splash: • Wash skin area. • Remove contaminated clothing. For a large splash: • Use emergency shower/eyewash to soak affected clothing/body area. • Change into dry clothing. • Seek medical assistance. Splashes to eye/face: • Irrigate with eyewash solution or emergency eyewash for approximately 15 minutes. • Seek medical assistance Report all injuries to the Hotline on 1800 772 779

Additional controls

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