



Safe Work Method Statement No:				WMS-07	Task:	Asphalting			
No	Activity	Possible Hazards	Possible Risks	Risk Score	Risk Controls	Risk Score (1 – 6) AFTER Controls	Person Responsible	Possible Product / Environment Hazards	Product / Environment Risk Control
1	Site establishment	Un-inducted personnel, incorrect PPE, non-conformance to project policies		5	All staff to be industry inducted (Green / White card), project inducted, wearing correct PPE, and have any required client paperwork completed (toolbox, pre-start etc.)	5	Leading Hand		
		Interference with public vehicles / pedestrians	Death, body impact injuries	4	Client to ensure that work area is sufficiently barricaded, and Traffic Control Plan in place if required to ensure no access / interference to site by members of the public	5	Leading Hand	Personnel / members of the public being injured	Notify persons nearby, apply TCP if working near roadway
2	Set out paver runs and levels	Slips, trips falls	Sprains, strains	5	Remain alert of ground conditions and maintain secure footing, minimise bending over to paint marks for paver runs and joint locations	6	Workcrew		
		Entanglement in stringline	Hand, finger injuries, sprains, strains, cuts	5	Do not wrap string around fingers, hands, release tension if vehicles, workers, pedestrians are crossing over the stringline	6	Workcrew		
3	Apply tack coat	Chemical exposure	Burns, skin irritations, respiratory conditions	5	Follow MSDS procedures, wear correct PPE – long sleeve shirt, long pants, gloves, safety glasses		Workcrew	Run-off and spills	Ensure spill kit kept on truck, do not spray in rainy conditions, do not overspray or allow emulsion to pool, use splash boards if necessary, do not spray around pits and culverts
		Slips, trips, falls	Sprains, strains	4	Remain alert of ground conditions and maintain secure footing		Workcrew		
		Vehicle to person	Body impact injuries	3	Driver to maintain awareness of location of ground personnel at all times, spotters to be		Driver		

		collision			used for all vehicle movements				
4	Lay asphalt with paver	Manual handling	Sprains, strains	4	Use correct manual handling procedures, take regular rest breaks and rotate roles where possible	5	Workcrew		
		Vehicle to vehicle / person collisions	Body impact injuries, crushing injuries	2	Traffic management plan to be in place, all trucks to be fitted with reversing beepers and flashing beacons, truck drivers to move only under direction of suitably qualified paver operator and be aware of ground personnel, workers to be aware of vehicle movements	4	Workcrew		
		Overhead services	Electrocution, damage to services	2	Spotters to be used where powerlines are located overhead of the work area, maintain minimum 3m clearance to overhead services, lower truck bodies immediately after tipping before driving off, all workers to be made aware of the overhead power lines	4	Workcrew		
		Working with hot mix	Burns	4	Wear correct PPE – long sleeve shirt, long pants, gloves, handle asphalt with shovel or mechanical aid, only directly touch hot mix directly if necessary and while wearing gloves	5	Workcrew		
		Fumes	Respiratory conditions	4	Ensure the mix is at the specified area, maintain well ventilated work area	5	Workcrew		
5	Heating joints with hand-held gas burner	Vehicle to person collisions	Body impact injuries	3	High visibility clothing must be worn, heat from side of the roller where possible, roller to maintain minimum 1.5m clearance to ground personnel	4	Workcrew		
		Operating gas torch	Burns	3	Ensure regulator and hose connections are sound and well maintained, keep gas torch pointed away from other personnel, do not leave torch unattended when alight	4	Workcrew	Fires	Crew members to have fire extinguishers on standby, observer with fire extinguisher required on total fire ban days when working within 2m of combustible goods

6	Compaction with steel roller	Vehicle turnover	body impact injuries	3	Maintain safe distance from edges of drop offs, use vibrating plate or smaller rollers near drop offs, seatbelts to be work at all times	4	Driver		
		Noise	Hearing disorders	4	Vehicle regularly maintained, wear correct PPE – hearing protection	5	Workcrew		
		Vehicle to vehicle, person collisions	Crushing injuries, body impact injuries	3	Traffic management plan to be in place, all rollers to be fitted with reversing beepers and flashing beacons, drivers to move only under direction of suitably qualified spotters and be aware of ground personnel, workers to be aware of vehicle movements	5	Workcrew		
						5	Workcrew		
23	General	Hazards encountered that are not covered by this SWMS or the work changes and new hazards are presented		1	Stop work or source alternative duties, gather the work group and supervisor together and discuss the identified hazard or condition that has resulted in the work ceasing, review the SWMS to incorporate the identified hazard or change, agree on the mitigation or management method required to rectify, eliminate and reduce exposure to the hazard or change, sign off on the revision then continue with the revised procedure, submit the revision of the SWMS to the Safety Manager for approval	4	Crew Leader, Leading Hand, Workcrew		

<b>Plant / Equipment</b>	<b>Maintenance of Plant / Equipment</b>	<b>Plant / Equipment</b>	<b>Maintenance of Plant / Equipment</b>
Asphalt Paver	Maintenance Log		
Steel Drum Roller	Maintenance Log		

<b>Personal Qualifications &amp; Experience</b>	<b>Personnel, Duties and Responsibilities</b>	<b>Training Required to Complete Works</b>
Construction Industry General Induction (Green / White Card)	Crew Leader	Supervisor to be trained in hazard identification, risk assessment and control
	Leading Hand	Ongoing safety training and toolbox talks
	Workcrew	

<b>NSW Legislation</b>				
Work Health & Safety Act 2011	OHS Amendment (Dangerous Goods) Act 2003	Workers' Compensation (Dust Diseases) Act 1942	Workers' Compensation Act 1987; Workplace Injury Management and Workers' Compensation Act 1998	
Work Health & Safety Regulation 2011	OHS Amendment (Dangerous Goods) Regulation 2005	Workers' Compensation (Dust Diseases) Regulation 2008	Workers Compensation Regulation 2003	
<b>Australian Standards</b>				
AS 1319:1994 Safety signs for the occupational environment	AS/NZS 1270:2002 Acoustics – Hearing protector	AS/NZS 2210.1:2010 Safety, protective and occupational footwear – Guide to selection, care and use	AS/NZS 5762:2005 In-service safety inspection and testing – repaired electrical equipment	
AS 1940:2004 The storage and handling of flammable and combustible liquids	AS/NZS 1337.1:2010 Personal eye protection – Eye and face protectors for occupational applications	AS/NZS 3760:2010 In-service safety inspection and testing of electrical equipment	AS/NZS 31000:2009 Risk management – Principles and guidelines	
AS/NZS 1269:2005 Occupational noise control	AS/NZS 1800:1998 The selection, care and use of industrial safety helmets	AS/NZS 4399:1996 Sun protective clothing	AS/NZS/ISO 600079.1:2009 Classification of hazardous areas	
AS/NZS 2161.1:2000 Occupational protective gloves – Selection, use and maintenance	AS/NZS 4602:2011 High visibility safety garments – Garments for high risk applications			
<b>WorkCover Codes of Practice – NSW</b>	<b>Subject Matter for National COP</b>	<b>National Codes of Practice</b>	<b>Subject Matter for National COP</b>	<b>National Codes of Practice</b>
Amenities for construction work	Consultation	Work health and safety consultation, cooperation and coordination	First aid	Fist aid in the workplace
Excavation work	Construction	Construction work	Hazardous chemicals	Managing risks of hazardous chemicals in the workplace
Formwork	Demolition	Demolition	Manual handling	Hazardous manual tasks
Moving plant on construction sites	Electrical	Managing electrical risks at the workplace	Noise	Managing noise and preventing hearing loss at work
Work near overhead power lines	Excavation	Excavation work	Plant	Managing risks of plant in the workplace
Work in hot or cold environments	Falls	Managing falls at workplaces	Risk Management	How to manage work health and safety risks
Workplace amenities	Facilities	Managing the work environment and facilities		
<b>National Standards / Other Standards</b>				
National Exposure Standards Atmospheric Contaminants in the Occupational Environment [NOHSC 1003 (1995)]		National Standard for Occupational Noise [NOHSC 1007 (2000)]		
National Code of Practice for Noise Management and Protection of Hearing at Work [3 <sup>rd</sup> Edition]		Lend Lease Global Minimum Requirements		

