



# National Rail Plant Matrix

Aug 2023 V5.1

	Dump Truck - NSW Only	Rail Bound Plant Operator - National	Rail Bound Plant Operator Light - National	Rail Bound Plant Operator Medium/Heavy - National	Road-Rail Plant Operator - National
<b>Rail Safety Worker Requirements</b>					
Rail Safety Worker (Y/N)	Y	Y	Y	Y	Y
<b>Medical Requirements</b>					
Railway Medical Category 1 (Cat 1) Safety Critical ( >60 = yearly; 50 - 60 = every 2 years; <50 = every 5 years) <i>Normal colour vision required</i>		M	M	M	M
Railway Medical Category 3 (Cat 3) Non Safety Critical (on commencement of duty; >40 = every 5 years)	M				
<b>Competency Requirements (non rail specific)</b>					
Work Safely in the construction industry (White Card)		M	M	M	M
Licence or machine specific unit of competence (specify type) <i>If HIGH RISK, licence is required even if unit is obtained - refer to licencing page.</i>					
<b>TLI Certificate II - Rail Infrastructure</b>					
Safely access the rail corridor (National unit of competency) or equivalent <i>Rail Operators have specific access requirements, therefore if you have obtained this unit of competence from a training provider not endorsed by the rail operator you may require further training.</i>	M	M	M	M	M
Maintain and use hand tools		M	M	M	
Shift materials safely using manual handling methods		M	M	M	
Participate in basic workplace communication		M	M	M	
Follow work health and safety procedures		M	M	M	
Apply fatigue management strategies		M	M	M	
Apply track fundamentals		M	M	M	
Apply environmental procedures to rail infrastructure		M	M	M	
<b>TLI Certificate III - Rail Infrastructure</b>					
Travel medium or heavy self-propelled on-track equipment <i>NOTE: If travelling outside the possession area, you may need additional competencies - please check with operator.</i>		M(1)		M(1)	
Propel and operate light on-track equipment <i>NOTE: If travelling outside the possession area, you may need additional competencies - please check with operator.</i>		M(1)	M(1)		
Operate road/rail vehicle					M
Install and maintain surface track drainage					
Install and repair rail earthworks					
<b>TLI Other</b>					
Carry out basic levelling					
Access rail track to run track vehicle within defined worksite		M	M	M	M
<b>Plant operator competencies - can hold any one or more</b>					
Identify the principles of ballast cleaning operations		M*	M*	M*	
Identify the principles of ballast regulator operations		M*	M*	M*	
Identify the principles of dynamic track stabiliser operations		M*	M*	M*	
Identify the principles of self-propelled rail grinder operations		M*	M*	M*	
Identify the principles of tamping machine operations		M*	M*	M*	
<b>Statement of Attainment</b>					
Operator Crane.Statement of Attainment.Conduct telescopic materials handler operations					
Operator Dozer.Statement of Attainment.Dozer Operations					
Operator Crane.Statement of Attainment.Vehicle mounted loading crane < 10T					
Operator Elevated Work Platform.Statement of Attainment.Operate elevated work platform					
Operator Front End Loader.Statement of Attainment.Civil Construction front end loader Ops					
<b>Licence</b>					
C Class Drivers Licence	M				
<b>Key Notes:</b>					
<b>M = Required</b>					
<b>M* = Must hold the machine specific competency or licence relevant to operations and/or state based requirement.</b>					
<b>(1) = Must hold one of the UOC depending on machine size i.e. over/under 10T. 1M = Must hold at least one of these competencies.</b>					
<b>(2)The information contained in this matrix is for reference only and could be subject to change from the Rail Transport Operators.</b>					
<b>Role Definitions</b>					
<b>Dump Truck - NSW</b>					
A dump truck operator drives large trucks that transport and dump waste materials like sand, gravel, rock or non-degradable garbage. a large truck for transporting heavy loads, with a back part that can be raised at one end so that its contents fall out, whereas a side dump truck (SDT) consists of a 3-axle tractor pulling a 2-axle semi-trailer. It has hydraulic rams which tilt the dump body onto its side, spilling the material to either the left or right side of the trailer. Dump Truck - NSW, Does the same work as a Dump Truck driver, however may work on a restricted licence as per the requirements of NSW regulator Safework					
<b>Rail Bound Plant Operator - National</b>					
Track maintenance machines or items of plant which under normal conditions cannot be removed from the track					
<b>Rail Bound Plant Operator Light - National</b>					
Can operate light self-propelled on-track vehicle on a rail network					
<b>Rail Bound Plant Operator Medium/Heavy - National</b>					
Can operate medium or heavy self-propelled on-track vehicle on a rail network					
<b>Road-Rail Plant Operator - National</b>					
A rolling stock vehicle which can operate under its own power, both on and off rail, and which can transition from one mode of operation to the other. Road rail vehicles may or may not have the ability to travel on a public highway, and may or may not be road registered.					