Plant Identification No.:			Plant Type: Variable Message Board			
Potential Hazard	**Risk Yes**	**No**	**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
Entanglement – Can anything become entangled in moving parts	Y		Turning Sign Head	Use handle provided when raising mast to ensure wind does not twist sign head	Apply sign head brake as soon as at desired height and when not being raised or lowered. Brake on when in transit	On set up and transport
Crushing/Striking – Can anyone be crushed or struck by moving objects due to:						
Material falling off or onto the plant?	Y		Sign head lowering	Do not stand directly under sign head at any time	Apply sign head brake when not being lowered or raised	All times
Uncontrolled or unexpected movement of the plant or its load?	Y		Turning sign head while being raised or lowered	Keep a firm hold of the sign head when raising and lowering head, using handles provided, do not stand directly under sign head	Apply sign head brake when sign head is not being raised or lowered	On set up and removal
Lack of capacity for the plant to be slowed, stopped or immobilised?	Y		Moving VMS when disconnecting from transporting vehicle	Apply VMS park brake before removing the tow connection or tow chains	Do not position yourself between the VMS and the towing vehicle when disconnecting towing coupling. Keep hands clear.	Disconnect from towing vehicle

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Potential Hazard	**Risk Yes**	**No**	**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
The plant tipping or rolling over?	Y		Plant tipping in high winds	Do not attempt to set up VMS in high wind or in high wind area. Outriggers to be fully deployed on set up, water ballast to be added where appropriate	Take care to lower outriggers evenly on set up and dismantle of unit. Do not tow VMS on steep side slopes. Set up on level ground	always
Parts of the plant collapsing	Y		Hydraulic Failure	Ensure sign head brake is applied when not being lowered or raised	Routine maintenance and checking of hydraulic hoses, fittings and rams	always
Coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	Y		Turning, raising and lowering of sign head.	Keep a firm hold of the sign head when raising and lowering head, using handles provided, do not stand directly under sign head. Keep hands clear of moving objects	Apply sign head brake when sign head is not being raised or lowered	During testing
Being thrown off or under the plant?		N				
Being trapped between the plant & materials or fixed structures?		N				
Other factors not mentioned?		N				
Cutting, Stabbing or Puncturing – Can anyone be cut, stabbed or punctured due to:						
Coming in contact with sharp or flying objects?		N				

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Potential Hazard	**Risk Yes**	**No**	**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
Uncontrolled or unexpected movement of the plant?	Y		Turning sign head while being raised or lowered	Keep a firm hold of the sign head when raising and lowering head, using handles provided, do not stand directly under sign head	Apply sign head brake when sign head is not being raised or lowered	On set up and removal
Parts of the plant or work pieces disintegrating?		N				
Work pieces being ejected?		N				
Coming in contact with moving parts of the plant during testing, inspection, operation maintenance, cleaning or repair?	Y		Turning, raising and lowering of sign head.	Keep a firm hold of the sign head when raising and lowering head, using handles provided, do not stand directly under sign head. Keep hands clear of moving parts	Apply sign head brake when sign head is not being raised or lowered	On set up and removal
Other factors not mentioned?		N				
Shearing – Can anyone's body parts be sheared between two parts of the plant, or between a part of the plant and a work piece structure?		N				
Slipping or Tripping – Can anyone using or near the plant, slip or trip due to:						

Plant Identification No.:				Plant Type: Variable Message Board			
Potential Hazard		**Risk**		**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
		Yes	**No**				
	Uneven or slippery work surfaces?	Y		Slipping while tilting solar panel or raising head	Ensure sure footing is maintained when reaching for solar panel tilt device. Only operate solar panel tilt device while head is in the lowered position	Ensure outriggers are deployed and unit is lever prior to solar panel adjustment. Safety boots to be worn	On set up and dismantle
	Poor housekeeping, eg. spillage not cleaned up?		N				
	Obstacles being placed in the vicinity of the plant?	Y		General roadside obstacles	Keep focused while setting VMS up on or near roadways. Ensure care is taken for traffic, signage, kerb and gutter etc.	Minimise distractions. Set up VMS in clearest position possible	Always
	Other factors not mentioned?		N				
Falling – Can anyone fall from a height due to:							
	Lack of proper working platform?		N				
	Lack of proper stairs or ladders?	Y		Falling while setting Solar panel Direction	Ensure sure footing is maintained when reaching for solar panel tilt device. Only operate solar panel tilt device while head is in the lowered position	Ensure outriggers are deployed and unit is lever prior to solar panel adjustment. Safety boots to be worn	On set up and dismantle

Plant Identification No.:			Plant Type: Variable Message Board			
Potential Hazard	**Risk Yes**	**No**	**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
Lack of guard rails or other suitable edge protection?		N				
Unprotected holes, penetrations or gaps?		N				Always
Poor floor or walking surfaces, such as the lack of a slip-resistant surface?		N				
Steep walking surfaces?		N				
Collapse of the supporting structure?		N				
Other factors not mentioned?		N				
Suffocation – Can anyone be suffocated due to lack of oxygen or atmospheric contamination?						Always
Electrical – Can anyone be injured by electrical shock or burnt due to:						
The plant contacting live electric conductors?	Y		Electrocution	Do not set up VMS under low power lines. Look up before setting up unit	Contact customer to find an alternative location for the VMS. DO NOT set up unit close to live power	Always
The plant working in close proximity to electrical conductors?		N				
Overload of electrical circuits?	Y		Electric shock from battery charger	Ensure battery charger is connected to batteries prior to connecting to 240 outlet.	Check battery charge level once connected to ensure battery level is at a safe level. Disconnect if unsure and contact your supervisor	On charge up

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Potential Hazard		**Risk**		**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
		Yes	**No**				
	Damaged or poorly maintained electrical leads & cables?	Y		Electric shock from charging batteries	Ensure all battery cables are connected, tight and are in good serviceable condition before commencing battery charging	Regular maintenance of cables and battery leads	On charge up
	Damaged electrical switches?		N				
	Water near electrical equipment?		N				
	Lack of isolation procedures?		N				
	Other factors not mentioned?		N				
High/Low Temperature or Fire -							
	Can anyone come into contact with moving parts or other objects at high temperatures?		N				
	Can anyone be injured by fire?	Y		Battery fire while charging	Ensure batteries are in a well ventilated area while on charge from 240v charger. Check cables are well connected to reduce chance of spark	Keep clear of charging batteries, and never you're your head directly over a charging battery. Never smoke near a charging battery. Gasses are flammable	When charging
	Can anyone suffer ill-health due to exposure to high or low temperatures?		N				

Plant Identification No.:			Plant Type: Variable Message Board			
Potential Hazard	**Risk Yes**	**No**	**Hazard Applicable**	**Control Method**	**Additional Control Method required**	**When required**
High Pressure Fluid – Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant?	Y		Hydraulic Failure	Stand clear while locating hydraulic leaks when they appear. Never place hands over spirting oil leaks	Only trained service personnel to address leaking hydraulics. Regular inspections and maintenance	Always
Explosion – Can anyone be injured by explosion of gases, vapours, liquids, dusts, etc triggered by the operation of the plant or by material handled by the plant?	Y		Battery fire while charging	Ensure batteries are in a well ventilated area while on charge from 240v charger. Check cables are well connected to reduce chance of spark	Keep clear of charging batteries, and never you're your head directly over a charging battery. Never smoke near a charging battery. Gasses are flammable	When charging
Other Hazards – Can anyone be injured or suffer ill-health from exposure to:						
Chemicals?	Y		Battery Acid	Wear appropriate PPE when topping up battery fluids or cleaning	Do not aim pressure cleaner at batteries while cleaning.	Always
Toxic gases or vapours?	Y		Battery Gasses	Ensure batteries are in a well ventilated area while on charge from 240v charger. Check cables are well connected to reduce chance of spark	Keep clear of charging batteries, and never you're your head directly over a charging battery. Never smoke near a charging battery. Gasses are flammable	When charging
Fumes?		N				Always
Dust?		N				

Plant Identification No.: **Plant Type:** **Variable Message Board**

Potential Hazard	Risk Yes	Risk No	Hazard Applicable	Control Method	Additional Control Method required	When required
Noise?		N				Always
Vibration?		N				
Radiation?		N				
Other factors not mentioned?		N				
Ergonomics – Can anyone be injured due to:						
Poorly designed seating?		N				
Repetitive body movement?		N				
Constrained body posture or the need for excessive effort?		N				
Design deficiency causing mental or psychological stress?		N				
Inadequate or poorly placed lighting?		N				
Lack of consideration given to human error or human behaviour?		N				
Mismatch of the plant with human traits and natural limitations?		N				
Other factors not mentioned?		N				
Other Plant Specific Hazards not covered above:						