

Project:	Site + Depot Road Sweeper Operations	RA No:	39a	Review Date
Operation / Task:	Use of Electric Powered Road Sweeper	Persons at risk:	Drivers/Customers	31/01/2027
Location / Area:	Lynch Depots/Customer Sites/Public Highways	Public at risk:	Yes	
Monitoring Responsibility:	Transport Manager, HSQE Team, Site management			

KEY

S = Severity Rating

L = Likelihood of Occurrence

RR = Risk Rating

Most effective
Least effective

1. Negligible	1. Improbable	<table border="1"> <tr> <td>5</td><td>5</td><td>10</td><td>15</td><td>20</td><td>25</td> </tr> <tr> <td>4</td><td>4</td><td>8</td><td>12</td><td>16</td><td>20</td> </tr> <tr> <td>3</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td> </tr> <tr> <td>2</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td> </tr> <tr> <td>1</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> <tr> <td></td> <td></td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> </table>	5	5	10	15	20	25	4	4	8	12	16	20	3	3	6	9	12	15	2	2	4	6	8	10	1	1	2	3	4	5			1	2	3	4	5
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Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Electric Powered Sweeper Operations	Daily checks / Defect Reporting Procedure	4	4	16	<ul style="list-style-type: none"> Daily vehicle pre-start checks are carried out in accordance with the 'Drivers Health and Safety Handbook This procedure applies to all use of Electric Sweepers including daily cleaning and maintenance. It is the responsibility of the operatives to ensure that the work is carried out in accordance with this procedure. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Falls from height. Slips/Trips/Falls	4	4	16	<ul style="list-style-type: none"> Whilst completing the daily checks or during the operation of the road sweeper, at no time or for any reason should the driver/operator climb onto the vehicle body or cab, other than via prescribed access/egress steps. Should attention be required to any equipment mounted high on the vehicle body, cab roof, suction boom or beacons etc, this should be reported to a line manager, to be rectified by a Technician. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Operators accessing and exiting the vehicle. Falls from height.	4	4	16	<ul style="list-style-type: none"> Enter cab facing forwards on correct side for driving position, maintaining 3 points of contact at all times. Ensure that the steps are clean and free from slip hazards and contamination. Enter cab fully to seated position before closing the door. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Slips/Trips/Falls	4	4	16	<ul style="list-style-type: none"> When exiting the cab, ensure that the door will stay in the open position, leave the cab backwards as a reversal of procedure when entering the cab, ensure foot to step location before transferring weight, maintaining 3 	4	2	8	HSQE Team Transport Manager Transport Supervisor

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					points of contact. Never jump from any platform from the vehicle to the ground.				Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Hazards travelling to site confusion of surrounding pedestrians and other highway users when sweeper not in operation.	4	4	16	<ul style="list-style-type: none"> Proceed to customer's work site (N.B. direction warning arrow on rear of the vehicle should remain covered or in the up position when the vehicle is being driven as a normal road vehicle – not sweeping). 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Arrival at site destination	4	4	16	<ul style="list-style-type: none"> On arrival at customer site set direction-warning arrow and ensure orange beacon is switched on. Operator must sign on to all customers risk assessments and method statements. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Sweeper Operations	Filling sweeper with water. Slips/Trips/Falls, pinch points when connecting to hydrant.	4	4	16	<ul style="list-style-type: none"> When filling the vehicle water tank from a designated hydrant, position the vehicle to allow the operator to work protected from other traffic. Collect the necessary equipment before opening / lifting any access cover. Connect the standpipe and hose to allow water to be drawn, remaining aware of pedestrians in the area. DO NOT leave an open / raised cover un-attended 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management

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	Sweeper operations slips/trips/falls/ loose debris from brush, eye protection, ear protection.				at any time. When the water fill up is completed the standpipe should be removed and the cover closed before stowing any equipment used. <ul style="list-style-type: none"> When sweeping a highway, it should only be carried out on the left side of the carriageway with the traffic passing on the right, with the exception of one-way streets when the arrow should be reset according to which side is being swept. If sweeping is required to be carried out on the outer lane of a dual carriageway, then appropriate traffic management, in the form of static or mobile lane closure techniques, must be arranged. Whilst sweeping, keep vigilant with regard to other road users, especially when negotiating parked vehicles. Whilst on customer's site you must be aware, and comply with, all site health and safety instructions and regulations. Also beware of other persons and vehicles on site. If sweeping on public roads take extra care when passing members of the public stood near to footway edge e.g., bus queues, especially in wet weather. 				
Electric Powered Sweeper Operations	Members of the public and other road users affected. Schools, Bus Stops	4	4	16	<ul style="list-style-type: none"> Always be aware of the possibility of children running behind, or attempting to climb onto, the rear of the vehicle, in particular during school holidays. At the end of the shift, discharging the load should be carried out correctly and in accordance with all the relevant legislation, including environmental legislation. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management

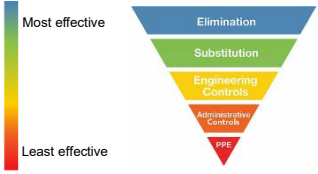
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					<ul style="list-style-type: none"> When cleaning the vehicle open the rear door of the vehicle and locate the rear door prop. Position wheeled safety steps at rear of the vehicle and ensure that wheels are locked. Enter the rear of the vehicle from the steps and unclip and lower the mesh filter frames. Using a high-pressure wash ensure that the filter surfaces and fan areas are washed clean. 				
Electric Powered Sweeper Operations	Sweeper operations slips/trips/falls/ loose debris from brush, eye protection, ear protection. Members of the public and other road users affected. Schools, Bus Stops	4	4	16	<ul style="list-style-type: none"> Return filter frames to the closed position and secure retaining clips. Remove rear door prop and close rear door. In frosty weather ensure that the water tank is drained before the vehicle is parked up. Once per week, thoroughly clean the fan by additional jetting and scraping of the fan blades to ensure that any build-up of debris is completely removed. Access to the fan is also obtained through the side inspection panel. Check the bearings of the fan by checking for any side play when rocking the blades. On completion of the above weekly cleaning operation, notify the manager this action has been carried out. 	2	4	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Road Sweeper Operations	Sweeper operations slips/trips/falls/ loose debris from brush,	4	4	16	<ul style="list-style-type: none"> Whilst sweeping, ensure that the correct PPE is worn including ear defenders under noisy conditions. 	4	2	8	HSQE Team Transport Manager Transport Supervisor

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	eye protection, ear protection. Members of the public and other road users affected.			16	<ul style="list-style-type: none"> Drive with due care and attention at all times. People who move these vehicles around the workplace should be aware that others may not hear it approaching them. Similarly, people who work around electric vehicle should be aware that they may move without warning. Operators/drivers are not permitted to tamper or interfere with the vehicle battery or its components including electric wiring cables. Wiring includes high voltage cables from the engine to the battery and must only be serviced by a competent technician. Maintenance and servicing must only be carried out by competent technicians. Any defects must be reported immediately for repair. 			16	Road Sweeper Operator Site management
Electric Powered Road Sweeper - Charging	Electric shocks when connect/disconnect/handling charging cables. High voltage fires related to lithium-ion batteries. Slips/Trips/ Falls when the charging cable is attached.	4	4	16	<ul style="list-style-type: none"> The electric powered road sweeper will be subject to regular maintenance and inspection. Drivers are to carry out pre use visual inspections of the vehicle and cables reporting any defects immediately. Should a defect be found, DO NOT use the cables await further instruction from your line manager. To reduce the likelihood of a severe injury should a shock occur, wear rubber soled shoes. First aiders & defibrillators are available at all L Lynch depots. First Aid boxes, Burns Kits and Eyewash stations are in place at all L Lynch depots. Should public charging stations be used, any accident or damage to equipment witnessed or made by the driver must be reported to a member of staff immediately. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management

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					<ul style="list-style-type: none"> When inserting the charging cable, remove the protective cap and keep hands/fingers clear of electrical and metal components. When removing the charging cable, ensure hands are free from electrical and metal components, apply the protective cap and stow away safely. 				
Electric Powered Road Sweeper - Charging	Electric shocks when connect/disconnect/handling charging cables. High voltage fires related to lithium-ion batteries. Slips/Trips/ Falls when the charging cable is attached.	4	4	16	<ul style="list-style-type: none"> Never force cables into charging points. Charging cables should be lined up to the correct pinholes and lightly pushed into position. DO NOT USE FORCE. Charging ports & Charging Cables must be used in accordance with manufacturer's instructions and manuals. The flammable electrolyte liquid contained by lithium-ion batteries can cause a spontaneous high voltage fireball event, burning at extremely high temperatures and releasing large amounts of toxic gases. Regular planned maintenance, servicing and inspection will be carried out ensuring components are fully operational and undamaged. Drivers should avoid overcharging and fast charging as these can destabilise the battery and increase the risk of explosion. Driver pre use checks must be carried out. Regular checks of fluid levels will also reduce the risk of fire. A dry powder fire extinguisher is available in the road sweeper. 	4	2	8	HSQE Team Transport Manager Transport Supervisor Road Sweeper Operator Site management
Electric Powered Road Sweeper - Charging	Electric shocks when connect/disconnect/h	4	4	16	<ul style="list-style-type: none"> The cables used for electric vehicles are larger and more visible than typical electric cables, but these still present a considerable trip hazard. 	4	2	8	HSQE Team Transport Manager Transport Supervisor

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	Handling charging cables. High voltage fires related to lithium-ion batteries. Slips/Trips/ Falls when the charging cable is attached.				<ul style="list-style-type: none"> Avoid coiling and twisting of cables to reduce the risk of them catching feet/legs. DO NOT use cables longer than necessary. Drivers are to park as close as possible to the charging point reducing the distance of the cable. A cable protector must be used if the cable is left on the ground unattended and the sweeper is not parked in an electric charging bay. 				Road Sweeper Operator Site management

Risk Assessment Prepared By: Paul Lynch **Signature:** **Date:** 31/01/2026

Risk Assessment Reviewed By: Daniela Rizvan **Signature:** **Date:** 31/01/2026

