Env. Alert 25-96

Use of Eco-Plant and Safety Measures for Lithium-Ion Batteries

As part of our Construction Site Carbon Requirements we should now be hiring eco-plant (solar, hybrid or battery powered) as standard, where available, instead of the petrol or diesel equivalents. This is to support MWHT in reducing our carbon footprint and achieving operational Net Zero by 2030 (see routemap). Fuel purchased for use in plant, equipment and accommodation on our construction sites is the largest contributor to our carbon emissions which is why we need to significantly reduce this.

The Benefits of Using Battery / Solar Powered Plant

- Quieter to operate and better for those operating the plant and less nuisance to local residents
- Savings on fuel especially if the site is powered by renewables
- Eliminates / reduces risk of fuel spillages from plant
- Easier to move around and less restrictions as just require the tool and a battery (no cords or air compressor required)
- Safer as no trip hazards from trailing cords or stepping over them
- Reduces Hand, Arm, Vibration
- Not limited on distance from fuel supply and cord length
- Use of lithium-ion batteries, which are long-lasting and can charge quickly
- Easier to store – can come with a toolkit box to put on a shelf.

We will be working with our framework suppliers to ensure that the battery materials, e.g. lithium and cobalt, are sourced with ethical considerations (i.e. such as worker exploitation and potential environmental damage).

Safety Measures with the Use of Lithium-Ion Batteries

Please note there is a medium combustion risk if Lithium-Ion batteries are not used or stored appropriately. You will need to complete the MWHT standard Lithium-Ion safety risk assessment for site – available on the Company Risk Assessments Connect page.

Key requirements are:

- Only use the batteries and chargers provided by the hire company for the specific plant - where using the same brand e.g. Milwaukee, the batteries can be interchangeable with their tools.
- Batteries to be stored in fire resistant cabinets or containers
- Carry out visual inspections of batteries for damage before use
- Fire extinguishers (Class D or CO2) should be accessible in battery charging / storage areas

Hiring Eco-Plant

- To order through Speedy, refer to their Eco Solutions Guide (available on Connect), and email our dedicated hire desk mwh@speedyservices.com or phone 0345 600 4084
- For the Thames Water region to order please contact MWHT TW Procurement Manager Claudio.Caprin@mwhtreatment.com
- For the ESD region to order through GAP – for SR15 projects email procurement@esd.scot, and for SR21 projects email procurement21@esd.scot

Important Note: When hired only one battery is provided, additional batteries can be hired to ensure uninterrupted use of the plant on site.

Further Information:

Refer to the Construction Site Carbon Requirements Connect page and the MWHT Site Carbon Smart Toolkit (EVGD06-07) and poster Use of Electric Plant and Small Tools (EVGD06-16).

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Authorised by:	Catherine Price	**Date:**	18 November 2025
Distribution list:	*All MWHT Employees*		

MWH Treatment Requirements.

Actions

1. Always follow your Safe System of Work and the Environmental Management Plan
2. Follow the advice contained in this communication
3. Ensure you complete a Safe Start card at the start of your shift
4. If in **DOUBT STOP WORK** and seek advice from your supervisor
5. Report all Incidents and "Improve Its".

Manager:		**Project No:**	
Date:		**Project:**	

BRIEFING RECORD: I HAVE UNDERSTOOD THE BRIEFING ON THIS ENV INFORMATION AND AGREE TO COMPLY WITH MWH TREATMENT REQUIREMENTS.

Name	Signature	Company