

F & R Cawley Limited

Part B – Section 2e Battery Treatment

F & R Cawley are applying to vary permit reference MP3397NF to allow them to treat lithium-ion batteries on site.

A dedicated Lithium Battery Treatment Building has been developed on site to allow the recovery of materials through mechanical separation. The shredding of batteries takes place under cover and within an area benefitting from sealed drainage in accordance with the requirements set out in the Waste Batteries and Accumulators Directive. Fire detection is present within the building together with automatic fire suppression measures during the shredding process.

Temporary storage of batteries takes place in two temperature-controlled ISO containers equipped with a fire detection system. This can be flooded with water in the event of emergency. A quenching tank is also present on site for any batteries exhibiting thermal runaway.

The shredding process creates a lithium flake that is temporarily stored in 1 tonne flexible intermediate bulk containers (FIBC). The flake is not combustible and is stored in the yard area on sealed drainage before being shipped off site for onward recovery and refining. No recovery is currently undertaken on site.

More information about the battery treatment process is provided in the Non-Technical Summary (Document Ref: Part B – Section 5c – Non-Technical Summary).