

**APPLICATION FOR BESPOKE ENVIRONMENTAL PERMIT  
P J FIRE LIMITED, 1 MELTHAM LANE CHESTERFIELD  
S41 7LG**

**NON-TECHNICAL SUMMARY.**

P J Fire Limited is a major trade supplier of fire extinguishers and safety equipment in the UK.

The Company is a supplier of new, CO<sub>2</sub>, Water, AFFF Foam, Powder and Wet Chemical filled Extinguisher units.

The Company has a particular specialism in the manufacture and supply of new, re-manufactured and refurbished, CO<sub>2</sub> units.

New, Water, AFFF Foam, Powder and Wet Chemical filled equipment is manufactured to the Company's specification, (Kite Marked, CE accredited and MED Ships Wheel approved), in China.

New CO<sub>2</sub> units are manufactured at the Chesterfield factory.

PJFL also handles end of life units of all types, other than Halon filled, at the Chesterfield site at 1 Meltham Lane, Chesterfield, S41 7LG, the subject of this application. The operation of these activities, involving the management of waste, are currently conducted under the terms of RPS 132 (March 2024). RPS 132 is to be withdrawn, by the Environment Agency on the 1<sup>st</sup> September 2025, thereafter all such operations must only be conducted by holders of a bespoke Environmental Permit.

Waste operations conducted on site are;

- A) Receipt, sorting, treatment, storage and transfer of end-of-life CO<sub>2</sub> extinguishers. All EWC Code 16 05 05 only.

End of life CO<sub>2</sub> extinguishers are received in a designated area of the site yard on contained pallets. These units are discharged (Area 9 on Site Layout Drawing), to atmosphere by manual "cracking" of the valve head, which allows the gas to leak out through the valve and discharge slowly to atmosphere. Once empty, the units are subject to an initial visual inspection, by trained staff, and removal of plastic delivery pipes and horns, to assess suitability for re-manufacture/refurbishment, for the following;

- Extinguisher body type-steel units are rejected and consigned to recycling. Aluminium body units further assessed for valve head thread type. Units with tapered valve heads are rejected and consigned to recycling.
- Aluminium units which pass the initial, visual, inspection are graded and segregated as to UKCA (United Kingdom Conformity Assessed) marking, conforming and non-conforming. (UKCA is the UK, post Brexit, equivalent of CE marking) This applies to pressure equipment and simple pressure vessels.
- UKCA conforming units are directed to potential re-manufacture or refurbishment, non-conforming are directed to potential refurbishment only.

- Once degassed, empty units are stored temporarily, outside the main building, at the eastern end, adjacent to the degassing area, on crated pallets. The crates are labelled as UKCA conforming or non-conforming. The crates are moved into the main building via the western entrance and stored at the western end of the building prior to progression through the dismantling area (Area 5).
  - In the dismantling area (5) brass valve heads and aluminium dip tubes are removed and placed into bulk bags/crates for recycling. Labelling is removed, units with any obvious structural defects (dents, creases, corrosion etc.), are rejected and passed to storage for recycling (Area 2/3). The “cleansed” units are subjected to shot blasting (Area 6) for removal of all existing paint. Finally, the units are inspected for structural defects exposed by the shot blasting and for internal defects. All defective units are rejected and consigned to metal recycling.
  - After this final stage the units cease to be waste, having passed all qualitative tests for re-use in re-manufacture or refurbishment. The units pass from the process of waste management into manufacturing/refurbishment processes (Area 7), under a process which conforms with and is certified by BSS, for Remanufactured equipment supply:  
 BS 8887-220 Kitemark cert Ref: 789851 "The Process of Remanufacture"  
 UKCA Pressure Equipment (Safety) Regulations 2016 Module H - Remanufactured Assemblies. PJFL is the only company in the UK holding third party Notified Body accreditation for Remanufactured Assemblies.  
 In addition, The Company holds the following certifications;  
 New equipment supply:  
 MED 3.38 cert Ref: 755343 (Marine Equipment Directive)  
 MED 3.2 cert Ref: 755737 (Marine Equipment Directive)  
 CE 2014/68/EU Module B cert Ref: 684663  
 UKCA 2016/1105 Pressure Equipment (Safety) Regulations Module E cert Ref: 684662  
 CE 2014/68/EU Module B cert Ref: 749377  
 CE 2014/68/EU Module E cert Ref: 749378  
 BSI/UK/3.38/557847 BS EN3 3-7 Module B  
 BSI/UK/3.2/557846 BS EN3 3-7 Module B  
 BSI/UK/MED/PC/557848 MED/3.2 Module D  
 BS EN3 Kitemark cert Ref: 523776.
  - All remaining on site activities are non-waste, manufacturing/remanufacturing and refurbishment processes. Any wastes resulting therefrom are directed to the individual waste storage areas, within the site as a whole for storage, pending disposal elsewhere.
- B) Sorting and storage of Water, AFFF Foam, Powder and Wet Chemical units, intact and their transfer off site, to a specialist recycler in the West Midlands. None of these units are opened, emptied or otherwise discharged on site and are stored on site in fully closed Ro-Ro containers. (Area 10).