

FIRE PROTECTION RECYCLING LIMITED
UNIT 1A-1B PEARSALL DRIVE, OLDBURY, B69 2RA

APPLICATION FOR BESPOKE ENVIRONMENTAL PERMIT

NON-TECHNICAL SUMMARY

1. Fire Protection Recycling Ltd (the Applicant) operates a waste treatment and transfer facility of the receipt, storage, decommissioning and recycling of fire extinguishers which are at the end of their useful life or otherwise unsuitable for use.
2. The activity is conducted in a modern, industrial, steel framed, building, Units 1a-1b, Pearsall Drive, Oldbury, B69 2RA, itself sited within an industrial estate of mixed industrial and commercial uses, bounded by residential properties and approximately 850m east-south-east of Oldbury centre. The building is of steel framed clad construction with hard concrete floor, concrete block internal walls and a roller shutter door. The building also houses the Company offices, mess and toilet facilities.
3. The site operates, currently, under the provisions of RPS(Regulatory Position Statement) 132 Storing and Treating Waste Fire Extinguishers for Recovery and under the provisions of 6# registered (to 13 02 2025), exemptions to Environmental Permitting viz., S1, S2, T10, T12, T4, T9 .
4. Expansion of the business will result in exceedance of the provisions of RPS 132 and a bespoke environmental permit is now sought, with a maximum, annual, throughput of 25,000 tonnes.
5. Pre application advice ref; EPR/KB3307KW/A001 was sought in 2021 and the application is based upon the advice given in response thereto, dated 28/04/2021, with one main change, only fire extinguishers/cartridges, EWC code 16 05 05 will be accepted. WEEE waste (EWC 16 02 14, 16 06 01*, 16 02 14, 16 02 13*), will NOT be accepted and no Halon extinguishers will be accepted.
6. Fire extinguishers processed are, EWC Code 16 05 05, water, CO₂, foam and dry powder filled only. No Halon filled extinguishers are accepted.
7. Extinguishers are collected under pre-arrangement and delivered to the facility, predominantly in the Company's own vehicles. Palletised loads are arranged by the Company and transported using third party bulk handlers for delivery to site. In addition, individual arisings, in small numbers, are delivered direct to site by local, known, fire extinguisher service agents.

8. On receipt, all extinguishers are segregated according to suppressant type, water, foam, CO₂ or dry powder, in designated areas within the building. Water and foam filled units are dismantled in the wet processing area and their contents emptied into IBC's, prior to discharge to sewer. The foam suppressant consists of 99% water containing a foaming agent additive. The foam content is acceptable for discharge to the sewer, along with the contents of water filled units. CO₂ units are discharged to atmosphere and drypowder units are emptied in a designated powder room, within the building and the dry powder is stored in bulk bags.
9. The powder room has walls of concrete block construction, a flat roof and plastic curtain door seal. The dry powder, called ABC Powder, consists primarily of monoammonium phosphate and ammonium sulphate and is suitable for a number of after uses, including as a raw material for agricultural fertiliser manufacture, industrial absorbents etc.
10. The empty extinguishers are dismantled into their component metal and plastic parts, which are segregated into wire basket containers, within the building, prior to removal from site for recycling.
11. Some storage of general wastes, originating as packaging for the extinguishers, such as wooden pallets is conducted in skip containers, in the enclosed yard.
12. The boundary of the site is secured, predominantly, by 2 metre high, steel, palisade, fencing, with access gates of similar specification. The yard area, bounded on its north-west side by Brades Road, is secured by a 2 metre high ,brick wall in continuance with the palisade fencing at each end.
13. The activities are conducted under the provisions of a written management system to ISO 14001 UKAS accreditation.