

APPLICATION FOR ENVIRONMENTAL PERMIT
 FIRE PROTETION RECYCLING LIMITED
 UNITS 1a-1b PEARSALL DRIVE OLDBURY
 B69 2RA

ENVIRONMENTAL RISK ASSESSMENT

1. Site location/surrounds

1.1 The site is situated at the north-western end of a small industrial estate, bounded to the north-west by Brades Road, to the south-west by Pearsall Drive, to the southeast by adjoining industrial units and to the north-east by the Titford Canal branch of the Birmingham Canal.

1.2 Beyond the Titford Canal, to the north-east of the site, is a mixture of industrial and residential properties, between the Canal and the Dudley Road. To the West side of Brades Road is predominantly residential development.

1.3 Site operations are conducted within a modern steel framed building and all products of the fire extinguisher recycling are stored within the building prior to removal from site. There is some storage of general waste, such as wooden pallets, in skip containers in the enclosed yard.

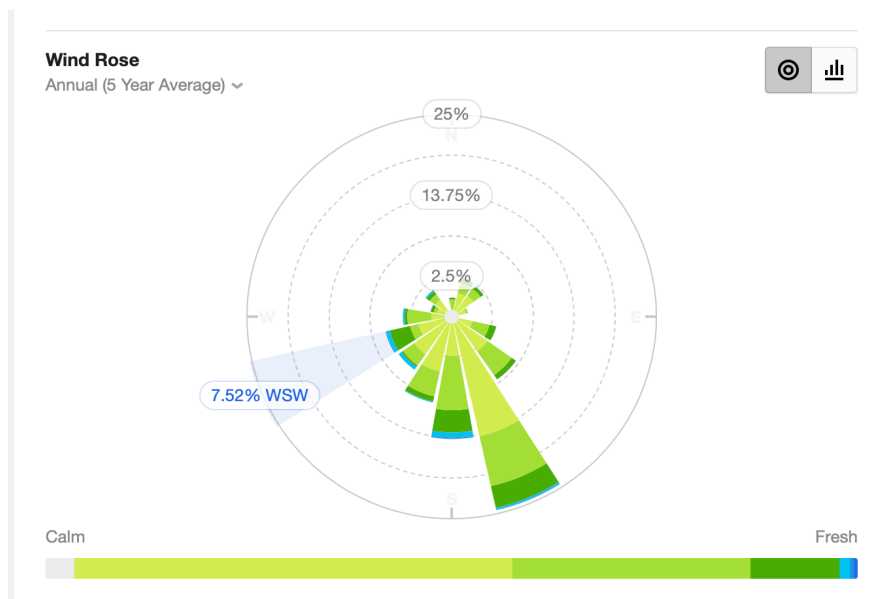
2. Key Receptors

2.1 Table 1 below lists key receptors to risk, from the site operations.

Sensitive Receptors No.	Receptor	Category	Distance (m)	Direction from Site	Frequency Prevailing Wind Direction (%)
1	Industrial Units	Commercial / Industrial	Adjacent to 800m	SSE	4.21
2	Titford Canal	Recreational	Adjacent	ENE	9.00
3	Housing (Bhullar Way, Ditta Drive, Brades Rise, Dingle Street, St John Road	Residential	130m	W	0.72
			110m	W	0.72

	Florence Road, Brakes Road				
4	Housing	Residential (Waterways Drive)	80m	E	5.45
5	Housing (Mehdi Rd)	Residential	20	W	0.72
6	Euro Business Park	Commercial / Industrial	180m	NNW	25.0
7	Housing (Waterways Drive)	Housing	230m	E	5.45
8	The Gables Nursing Home	Residential	560m	WSW	0.50
9	Wolverhampton Road	Highway trunk rd.	550m	WSW	0.50
10	Dudley Road	Highway	230m	NE	5.00

*Wind direction information (annual (5yr average)), taken for Oldbury taken from Met Office Data via WillyWeather www.willyweather.co.uk.



3. Permit Application

3.1 Activities are;

- Non-Hazardous Waste Treatment and transfer
- Annual throughput of wastes maximum 25,000 tonnes.
- EWC waste codes to Schedule 2 of the Permit, as follows;

EWC	Waste Description
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 02	Wooden packaging
15 01 04	Metallic packaging
15 01 06	Mixed packaging

3.2 Table 2 below assesses risks and mitigation to be provided.

Table 2 Risk Assessment Matrix

What can Harm and What Could be Harmed			Managing the Risk	Assessing the Risk		
Hazard	Receptor	Pathway	Risk Management	Consequence	Probability of Exposure	Overall Risk
Particulate, odour and litter release from receipt and storage of wastes	Domestic Residents, Employees of nearby businesses, Passers by	Airborne	Dust, odour and litter management are included within the site's EMS, with procedures for waste pre-acceptance, acceptance, storage, treatment and transfer. No odorous or loose materials are accepted. The only powder materials are contained within the fire extinguishers, dismantling of which takes place only in the building and powder removal is undertaken within an enclosed powder room within the building Site is surrounded by 2 m high palisade fence/brick wall, further limiting possibility of litter emissions.	Health effects, lung disease, nuisance	Low probability, all particulate, odorous and potentially airborne materials are contained	Very Low
Drainage/runoff	Surface and groundwater. (Titford cNal)	Waterborne	All new areas surfaced with hard concrete laid to falls and discharge to foul sewer. No contaminated materials accepted on site. Liquids, water content of extinguishers, released in the wet processing	Uncontrolled discharge of polluting materials to ground and surface water	Low. All drainage from materials storage and processing contained in site and drained to foul sewer.	Very Low

			area, within the building and contained in LBC's before discharge to sewer			
Noise emissions	Residents of domestic dwellings from 20 m from site. Adjacent businesses	Airborne	Noise generation. is very low, with all dismantling activities being conducted within the building. Site has operated for a number of years with no history of noise or other nuisance complaint.	Nuisance to domestic residents	Very Low	Very Low
Fire	Domestic residents, employees of nearby businesses. Passers by/Road users. Ground and surface water. Nearby buildings.	Airborne	Fire prevention plan, to EA guidance, produced or the site and submitted with the application. Minimal amounts of combustible materials stored on site.	Fine particulates/smoke may present a hazard to persons with compromised breathing conditions. Potential to cause nuisance beyond site boundary. Run off from fire water can. contaminate ground and surface water. Risk to nearby properties.	Low	Low

FIRE PROTECTION RECYCLING RECEPTOR PLAN

Vector Map Local 1km x 1km SCALE 1:5000



Supplied by Streetwise Maps Ltd
www.streetwise.net
Licence No: 100047474