

Lion Safety Workwear & PPE Recycling



“Ensuring safety doesn’t cost the earth”

What have Lion Safety developed?

We have partnered with experts to assist with secure textile recycling, boasting over 7 years of industry experience.

Protecting you, your business and your clients through brand security and guaranteed confidentiality.

Provide a sustainable end-of-life process for all textiles and PPE ensuring we are supporting the Zero to Landfill commitment

We have partnered with, what is currently, the only shredding company in the UK who offer reuse for shredding material opposed to incineration and landfill

Assisting in consolidating multiple waste streams to reduce the carbon footprint and maximize security across the board.

Protecting you, your business & your clients



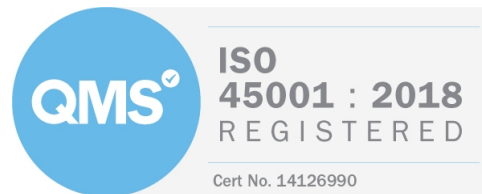
Our Responsibility

Security

We take security seriously at Lion Safety and we are always looking to improve our systems to ensure we are always providing the most secure service. We monitor our partners to ensure they perform DBS checks on all customer service representatives as well as their operating compliance standards.

Our partners use unmarked vehicles fully installed with 24/7 CCTV and satellite tracking for your security.

- Compliant with BS EN: 15713-2009 code of practice
- Accredited with ISO 9001•BS 7858 vetting standard.
- We always provide a certificate of destruction



Environmental

While the safety of the end user is our focus, we take great pride in continually working towards enhancing the value of your brand through sustainability through initiatives such as textile shredding and other end-of-life solutions.

All our working procedures are designed to help positively contribute to our environment.

- All textile/PPE collected is separated for effective recycling
- 0% to landfill
- Making end-of-life products from recycled materials reduces greenhouse gases by 70%
- Electric vehicle trial currently in place

Protecting you, your business & your clients

The Textile Problem



100 billion items of clothing are made every year



½ million tonnes of textile microplastics enters oceans worldwide every year



1% of clothes are recycled effectively



3 out of 5 t-shirts made today will enter landfill within 12 months



A dump truck of textile waste enters landfill every second

How the textile service would work

- Lion Safety deliver the lockable units to your site dependent on requirement



- End user puts end of life textiles inside the bin via sacks provided – once full please lock the units ready for collection

- Unit collected on an agreed upon schedule ensuring end of life textile/PPE is frequency disposed and effectively recycled into new products.
 - Certificate is then issued to user

As part of the service agreement Lion Safety will collect, destroy and recycle your textiles. Inclusive is the provision of a secured destruction certificate as well as an environmental impact statement, allowing you to complete your audit trail for the management of your materials.



1

Tier 1

Primary & Preferred Route

Our **primary and preferred** route is to re-use the material for future manufacturing of other garments, clothes & textiles via recycling.

This is typically achieved when the materials recycled are of simple make up and able to be recycled (Wool, Cotton, Tencel etc).



2

Tier 2

Secondary Route

Our **secondary** route is to recycle the materials for use in the world again via a range of different products. This includes end of life products such as insulation, geotextiles, partition walls & sound boarding.

This ensures the materials are used again and recycled.



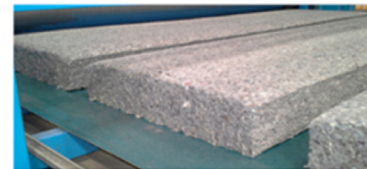
3

Tier 3

3rd route

Finally, to fulfil our zero to landfill policy, if the above two routes are not possible for the material and it is currently non-recyclable, the material will be made into chips and melted or used to generate energy (RDF).

The process separates materials from garments taken so that the amount recycled and is maximised, dependant on the material the garment / textile is made from.



Summary of the Lion Safety solutions

Security

- 🔒 Provision of Lockable, Secure storage containers
- 🔒 Full audit trail provided
- 🔒 Collections conducted by security vetted staff in CCTV & GPS tracked vehicles



0% to landfill

- ✓ 0% to landfill policy
- ✓ Majority recycled or re-used (not incinerated)
- ✓ 3 tier approach to recycling of material
- ✓ Ability to report on positive environmental impact
- ✓ Ability to recycle natural and synthetic fibers, all in the same solution



Consultative approach

- 👥 Process continually looking to be improved
- 👥 Support on reporting
- 👥 Advice on designing to be recycled
- 👥 Sharing industry news & knowledge
- 👥 Review of each site prior to implementation to understand requirements (Site visits or Teams call).



Full Audit Trail & Environmental Impact Statement

COLLECTION CERTIFICATION FOR CLOTHING DESTRUCTION & RECYCLING

Protecting You • Your Business • Your Clients

Sample Company
PO Box 1
London
XX1 1XX

Contact Details:
J Doe
01234 567 890

Service Code:
Account No: X12345
Collection No: C98710

Items/Material for Destruction/Recycling

QTY:

Box(s) Collected: 140L Wheeled Bin(s): Standard Sack(s) Collected:

360L Wheeled Bins: 240L Wheeled Bin(s): Large Sack(s) Collected:

Other: Amount of sacks collected from bin:

CONTROLLED WASTE TRANSFER EWC 20-01-01/EWC 20-01-11

PLACE & DATE OF TRANSFER AS ABOVE

REG. CBDU54078

Collected by:

Vehicle No:

Avena Environmental Ltd. will not be held liable for any material destroyed that should have been lawfully retained by the client.

Date:

Signed
On behalf of the client

Print Name:

For Avena use only			
Date Received	Date Destroyed	Time Destroyed	Operator

Signed

For and on behalf of Avena®



Avena Environmental Ltd. confirms that the above items were destroyed by shredding on the time and date shown. We confirm that the above material has been recycled in an environmentally approved manner. This document completes your audit trail for the safe and secure destruction of your confidential waste listed above. This document also confirms that all necessary measures have been taken to apply the waste hierarchy as required by regulation 12 of the "Waste (England and Wales) Regulations 2011".
Environment Agency Registered Operation Site: WEX091645 | Norfolk Destruction Plant: Unit 1 Breckland Court, Threxton Road Industrial Estate, Watton, Norfolk, IP25 6NG | Client SIC Code: 62.110



- Amount collected
- Who it was collected by
- Proof to say it had been 100% recycled
- Signed by your staff to prove we have been
- Date collected
- Date the material was received by our depot
- Certificate issued including time & date the shredding took place

ENVIRONMENTAL MANAGEMENT INFORMATION FOR TEXTILE DESTRUCTION & RECYCLING

Protecting You – Your Business – Your Clients

Prepared for:

Example Ltd
280 Academy St
London
EC4X 0AA

Management Information Report for Collection Weights and Recycling Rates

Summary

In the quarter ended 31 December 2020, a total of 39 collections were made and a total of 5,100kg of textile materials were collected and recycled using the Avena service, with a 72% recycling rate.

A total of 1,700kg of CO2 has been saved from entering our atmosphere by using the Avena Textile Destruction and Recycling service compared to disposal by landfill or incineration. In addition, an estimated 5,200,000 litres of water has been saved by aiding the manufacturing process of future textiles.

Breakdown by site

Data collected between 1 st October 2020 and 31 st December 2020						
Location	Account #	Collections in time period	Total material collected (kg)	% recycled or re-used	Total material re-used or recycled (kg)	Total material used for green energy, RDF (kg)
Location A	AVE3566a	3	1,530	68%	1,040	490
Location B	AVE3566b	6	2,960	76%	2,250	710
Location C	AVE3566c	1	610	73%	445	165
Total		10	5,100	72%	3,735	1,365

Signed

For and on behalf of Avena Group®



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