

Independent Audit  
on  
**The National Bicycle Tyre  
Recycling Scheme**

30<sup>th</sup> November 2020

## **Velorim Limited, Bicycle Tyre Recycling Scheme Compliance Review, 30.11.2020**

Severn Compliance has been engaged to conduct periodic independent audits on the National Bicycle Tyre Recycling Scheme run by Velorim Limited on behalf of the UK cycling industry.

The scope of this engagement is to audit the collection, aggregation and reprocessing of waste bicycle tyres and inner tubes and check that Velorim are delivering on the promises they are making to the UK cycling industry.

### **Collection**

Public collection points are being established across the UK with suitable collection containers for tyres and inner tubes being issued as required.

It is envisaged that the number of collection points and hence collections, will grow substantially. The systems Velorim has in place appear to be able to cope with this planned increase.

Reputable national couriers, who are also registered waste carriers, are making collections on request. All movements are tracked and evidenced.

Waste Transfer Notes are being generated in regard to every collection and will be issued annually or on request.

### **Aggregation**

Bicycle Tyres and Inner Tubes are being aggregated at separate locations. Both are secure from public ingress.

Velorim are aware of the requirement to maintain these aggregations below the respective safe permissive tonnages.

Both of these locations currently handle other waste streams and the correct environmental certification is being checked.

### **Reprocessing**

The only reprocessing carried out to date has been in small-scale pre-production trials at permitted waste facilities and/or recycling machinery manufacturers.

Based on these trials the reprocessing to be deployed by Velorim is as follows:

- *Inner Tubes*: De-vulcanisation leading to resale of material.
- *Tyres*: Multi-stage shredding to separate metal, fibre and rubber. Recovery of metal; Resale of fibre mix to established end-of-waste material markets; Resale of rubber to established end-of-waste material markets; Partial de-vulcanisation of rubber leading to resale of material.

This plan appears to be viable, sustainable and environmentally preferable to landfill, export or incineration as it allows the recycling or recovery of the materials.

### **Licensing**

Velorim, are an upper-tier waste broker reference - CBDU334556 will oversee the entire process from collection to resale of materials.

Waste permits are being sought to cover all the future reprocessing requirements to allow Velorim to bring the process in house.

### **Conclusion**

Based on evidence from Waste Transfer Notes generated to date I can confirm that:

Zero waste has gone to landfill.

Zero waste has been exported,

Zero waste has been incinerated.

Adam Wilson

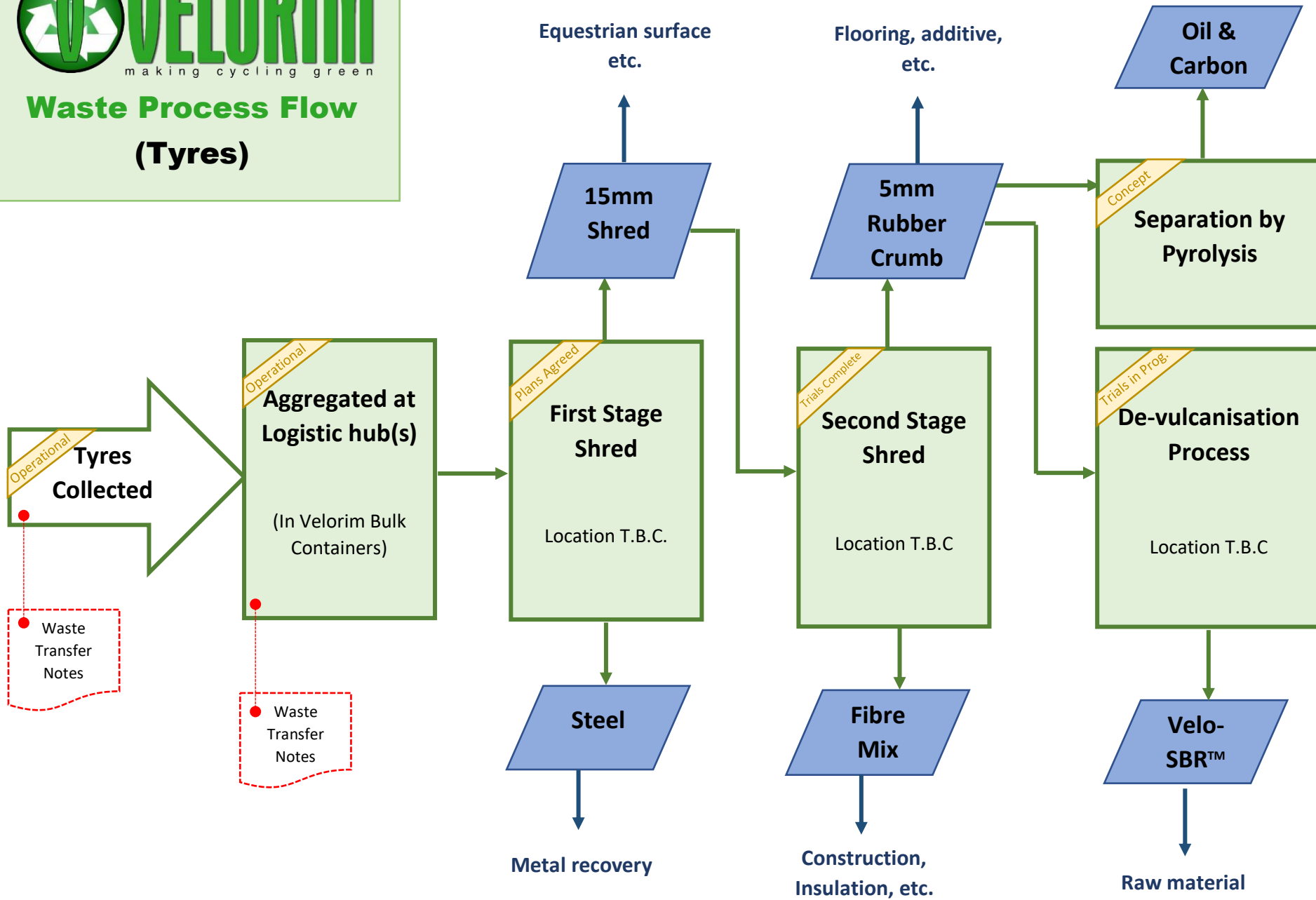


Director Severn Compliance Limited



**VELORIM**  
making cycling green

**Waste Process Flow  
(Tyres)**





# Waste Process Flow (Tubes)

