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| Greenology (Teesside) Ltd |    | ENVIRONMENT MANAGEMENT SYSTEM SUMMARY | Issue date | Aug 2021 |
| GRE_EMSS                  | VI |                                       | Review by  | -        |

## INTRODUCTION

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## **I MANAGEMENT**

### **I.1 General Management**

As the site will operate as a dedicated End-of-Life Tyre (ELT) processing and pyrolysis facility the number of staff will be small.

Facility competence will be covered by an externally audited Competence Management System (CMS) that ensures that all staff are trained in the areas that may have an impact upon permit compliance.

### **I.2 Accident Management Plan**

An Accident Management Plan [GRE\_AMP] is in place at the site and will be reviewed every 4 years or as soon as practicable after an accident. Any identified changes will be implemented after the review.

### **I.3 Site security**

The site can only be accessed via the security-controlled gates at the site entrance.

Entry to the site is locked outside operating hours.

The whole of the site has perimeter fencing and CCTV.

### **I.4 Site notice board**

At the point of the permit issue, a site notice board, made of durable material, will be placed in a prominent position at the entrance to the site.

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## 2 OPERATIONS

### 2.1 Permitted activities

The following waste management operations are to be undertaken at the site;

- Storage of ELTs
- Processing of ELTs to produce a material suitable for pyrolysis on site
- Pyrolysis of granulated ELT
- Despatch of tyre shred (TDF) from site
- Storage of TDF and granulate
- Storage of Tyre Pyrolysis Oil (TPO)
- Storage of raw carbon char
- Storage of tyre wire
- Storage of nylon 'fluff'

The activities will be undertaken in accordance with the Small Waste Incineration Plant (SWIP) permit, a bespoke waste treatment permit and the Environment Management System (EMS).

The waste management operation is limited to the acceptance and treatment of ELTs and pyrolysis of waste tyres.

### 2.2 The site boundary

The activities on site shall not extend beyond the site boundary.

### 2.3 Waste acceptance

Only permitted wastes as specified by the permit will be accepted.

The total quantity of waste accepted shall not exceed 22 000 tonnes per annum.

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### **3 EMISSIONS AND MONITORING**

#### **3.1 Fugitive emissions of substances**

The site infrastructure and operations are managed in such a way that the risk of fugitive emissions shall not cause pollution.

##### *3.1.1 Storage areas of liquids*

All liquid wastes produced on site as part of the process will be stored in secure bunded containers and subject to regular inspections.

##### *3.1.2 Inspection and maintenance of engineered containment*

All areas will be inspected at least monthly to ensure the continuing integrity and fitness for purpose of their construction.

#### **3.2 Odour**

The type of materials accepted reduces the potential for odours.

#### **3.3 Noise and vibration**

The proposed treatment facility is being fitted with new modern equipment and therefore all the equipment will meet modern noise criteria.

#### **3.4 Pests, scavenging animals and birds**

The permitted waste types accepted on site are unlikely to encourage scavenging animals, birds and other pests.

#### **3.5 Control of mud and debris and loose waste**

Internal roads are designed, constructed and maintained to ensure they are adequate for traffic usage. The site surface is entirely constructed of concrete/asphalt so that mud will not be a problem.

#### **3.6 Control, monitoring and reporting of dust, fibres and particulates**

It is unlikely that the operations will cause dust, fibres and particulates. However, procedures are in place to ensure that any emissions are within the specified limits.

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### 3.7 Control of litter

It is unlikely that the operations will cause the generation of litter, however, the site has a dedicated employee who is responsible for monitoring litter on site and for completing litter picking where necessary.

### 3.8 Leaks and spillages

Environmental incidents are often the result of mechanical breakdown of plant and vehicles. All areas will be inspected at least monthly to ensure the continuing integrity and fitness for purpose of their construction.

A system is in place to ensure that all machinery is correctly serviced and used servicing oils etc. are not stored on site.

### 3.9 Control of Water

The operation will be carried out entirely within the building, so operations will not be affected by weather conditions.

### 3.10 Fires on the site

Please see Accident Management Plan [GRE\_AMP] and Fire Prevention Plan [GRE\_FPP].

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## 4 INFORMATION

### 4.1 Records

All records required by the permit are retained for a minimum of 6 years.

### 4.2 Reporting

A record of waste types and quantities removed from the site, monitoring of gases, monitoring of waste water and records of any abnormal operating conditions will be kept and made available for inspection by the Local Authority.

### 4.3 Notifications

The Local Authority will be notified should any machinery, breakdown or failure of equipment cause significant pollution.