

## **Aurora Manufacturing Ltd Non-Technical Summary**

### **Who would be operating the site**

Aurora Manufacturing Ltd.

### **The location of the site or if it is a mobile plant**

Unit 4 Bridgewater Business Park, West Bridgewater Street, Leigh, Lancashire, WN7 4HB.

### **The storage or treatment activities you propose for the site and the key stages in these activities**

The site receives post-consumer granulated waste plastic packaging in 1.7m<sup>3</sup> sacks to compound extrude into polymer product for re-sale. Treatment consists of plastic compound extrusion of pre-granulated plastic. There can be associated manual screening and removal of any contamination, although this is rare.

The site currently operates under RPS 112 and U9 waste exemptions. This allows heat to be applied to up to 100t of waste plastic per week without the need for an environmental permit (waste operation) as well as being regarded as holding an environmental permit when applying for accreditation as a reprocessor of packaging waste under the Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (as amended).

There are 3 **extrusion** plant/ lines on site; operating via 2 stacks. Only 2 of the extruders can run at any one time.

Extrusion speeds vary depending on the material and extruder. Finished extruded pellets are 3mm in diameter. There is a maximum extrusion capacity of circa 3,000 kg per hour (combined).

Granulated plastic (20-30mm) is sourced from an adjacent business and/or other suppliers and stored on-site prior to extrusion.

### **What waste types you would accept and the total quantities for the site**

EWC 070213, 120105, 150102, 191204, 200139.

To maximise production, the site requires circa 2 weeks of semi-finished polymer (~600 tonnes) to be stored on site. This equates to a volume of 968m<sup>3</sup>.

The total quantity of waste processed into extruded pellets on site is circa 15,000-20,000 tonnes per annum; the site has requested to be permitted to 29,999 tonnes per annum to allow for growth.

### **What technical standards the site would meet**

Extruded pellets are 3mm in diameter.

The Company is accredited as a reprocessor of packaging waste under the Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (as amended).

**What are the sensitive receptors - human and environmental**

A sensitive receptor review has been conducted as part of the FPP – see Appendix 4 of FPP Appendices. This includes habitats screening.

**The key environmental risks and the main controls for these - as identified in your risk assessment**

An Environmental Risk has been conducted – point source emissions include 2no. stack discharges (extrusion fume) as well as associated fugitive emissions and potential for noise, dust and odour.

An H1 assessment was conducted and emissions were screened out (not a concern).

**Which application documents give more details about your proposal**

EMS\_v1

FPP\_v1

FPP Appendices

ERA\_Site-specific Environmental Risk Assessment

H1 Emissions Assessment and associated emission testing