

NON-TECHNICAL SUMMARY

Gerrard Place, Skelmersdale, WN8 9SU

WL Polymer Ltd

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1 Introduction

- 1.1.1 This Non-Technical Summary accompanies the above application submitted by WL Polymer Ltd are applying for a bespoke environmental permit for the acceptance storage and treatment of non-hazardous waste comprising predominantly plastic. Recycled product arising from the above treatment process will comprise plastic film and agglomerate which would be exported as a product for onward manufacturing; and, plastic pellet which will typically be sold domestically for re-use.
- 1.1.2 Other wastes such as metal, paper/card labels, sorted and mixed packaging, mixed co-mingled and dry mixed recyclables may also be accepted at the site. It must be noted, these wastes will not undergo any form physical treatment and accepted for bulking and transfer only.
- 1.1.3 The site will not be open to the public for the deposit of waste.
- 1.1.4 The site is located at Gerrard Place, Skelmersdale, WN8 9SU, which is situated off Gillibrands Road, south of the B5312.
- 1.1.5 Drawing No. GPL/3329/03 which accompanies this application shows the current operations taking place on site and the indicative location of the plastic recycling operations.

2 Application proposals

- 2.1 WL Polymer Ltd will hold and operate an Environmental Permit (EP) for the acceptance, storage and treatment of wastes consisting predominantly plastic. Other wastes will be accepted at the site for bulking/separation prior to onward movement to a suitable permitted site.
- 2.2 The throughput of the site will be limited to <75,000 tonnes per annum. The proposed plastics wash and extrusion treatment plant inside the building can process approximately 3 tonnes per hour equating to approximately 25,000 tonnes per annum based on the proposed operational hours shown in Section 2.7. The site would also look to install a baler at the site in the event the plant requires maintenance as a contingency to avoid stockpiling waste at the site.
- 2.3 It must be noted that the site will also receive wastes which will only be bulked at the site and not treated which is why the above throughout of 75,000 tonnes per annum is proposed. Given this will be a multi activity EP, the physical treatment of plastic waste will comprise 25,000 tonnes per annum and wastes to be bulked and transferred only (non-plastic waste) will comprise 50,000 tonnes per annum.
- 2.4 The Environmental Permit is required for the storage (keeping) prior to removal, and treatment (all types of handling/processing) of waste. Waste treatment processes to be carried out on site may include the following:
- Plant feeding using 360° excavator.
 - Manual sorting/separation with forklift, 360° excavator, loading shovel or hand.
 - Bale breaking (by bale breaking equipment or 360° excavator)
 - Baling by using appropriate mechanical plant
 - Mechanical sorting/separation by using appropriate mechanical plant
 - Crushing by using appropriate mechanical plant
 - Shredding by using appropriate mechanical plant
 - Agglomerating by using appropriate mechanical plant

- Wrapping
- Drying using mechanical and thermal means
- Heat treatment as part of an extrusion process (Erema processing plant)
- Washing, granulation and pelleting (by mechanical equipment)

2.5 Specified waste management operations include waste disposal and waste recovery operations listed Annex I and II of The Waste Framework Directive 2008/98/EC and are listed in summary below:

R3: Recycling or reclamation of organic substances.

R5: Recycling or reclamation of other inorganic materials.

R13: Storage of waste pending recovery.

2.6 Specified waste management operations include waste disposal and waste recovery operations listed Annex I and II of The Waste Framework Directive 2008/98/EC and are listed in summary below for the bulking and transfer of waste:

R3: Recycling or reclamation of organic substances.

R4: Recycling/reclamation of metals and metal compounds.

R5: Recycling or reclamation of other inorganic materials.

R13: Storage of waste pending recovery.

D9 Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12.

D14 Repackaging prior to submission to any of the operations numbered D1 to 13.

D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

2.7 The site will only look to wash plastic wastes to remove contamination. The plastics will then undergo further treatment to create a non-waste plastic agglomerate or plastic pellet. The agglomerate or pellet will then be exported or sold using a Packaging

Recovery Note (PRN) to demonstrate the operator has recycled or recovered a portion of that packaging

2.8 All waste will be stored on an impermeable concrete surface with sealed drainage.

2.9 The site will operate on a 24/7 basis comprising two 12-hour shift patterns. A breakdown of the operating hours is as follows:

- **Waste acceptance and removal = 24/7**
- **Waste processing = 24/7**
- **Plant maintenance and full site housekeeping comprising manually cleaning processing plant inside the Units = Continuous throughout operations**

3 Proposed EWC codes

3.1 The following tables below demonstrates each activity and the proposed EWC codes to be accepted as part of the application.

Table 3.1 – Proposed EWC Codes for Plastic Recycling facility

Plastic Recycling Facility	
Maximum Quantities	The total quantity of waste accepted shall be less than 25,000 tonnes a year
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres
Waste Code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 04	waste plastics
07	wastes from organic chemical processes
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 02 13	waste plastic
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 06	mixed packaging
15 01 07	glass packaging
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 03	plastic
19	Wastes from waste management facilities, off-site waste water treatment plants and preparation of water intended for human consumption/industrial use
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising)
19 12 01	paper and cardboard
19 12 02	ferrous metal (baled cans only)

Plastic Recycling Facility	
Maximum Quantities	The total quantity of waste accepted shall be less than 25,000 tonnes a year
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres
Waste Code	Description
19 12 03	non-ferrous metal (baled cans only)
19 12 04	plastics
19 12 12	co-mingled dry mixed recyclable wastes
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes)
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 39	plastics
20 03 01	co-mingled dry recyclable waste

- 3.2 The following tables below demonstrates what wastes/EWC codes are to be bulked and transferred only and which wastes will be shredded and crushed, and washed:

Table 3.2 – Waste Treatment Activities

EWC Code	Description	Treatment activity
02 01 04	waste plastics	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
07 02 13	waste plastic	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
15 01 01	paper and cardboard packaging	bulked and transferred
15 01 02	plastic packaging	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
15 01 03	wooden packaging	bulked and transferred
15 01 04	metallic packaging	bulked and transferred
15 01 06	mixed packaging	bulked and transferred
15 01 07	glass packaging	bulked and transferred
17 02 03	plastic	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
19 12 01	paper and cardboard	bulked and transferred
19 12 02	ferrous metal (baled cans only)	bulked and transferred
19 12 03	non-ferrous metal (baled cans only)	bulked and transferred
19 12 04	plastics	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
19 12 12	co-mingled dry mixed recyclable wastes	bulked and transferred
20 01 01	paper and cardboard	bulked and transferred
20 01 39	plastics	bulked, transferred, shredded, washed, agglomerated, granulated, dried, baled, crushed and wrapped
20 03 01	co-mingled dry recyclable waste	bulked and transferred

4 Documentation and fees

- 4.1 Oaktree Environmental Ltd have calculated the fee from the Environment Agency OPRA spreadsheet as demonstrated below:

Table 4.1 – Base Application Fee Table

Charging Scheme Ref	EPR Charging Scheme Ref & Description	Type of application (Ref)	Fee
1.16.12	Physical treatment of non-hazardous waste	New application	£7,930
TOTAL			£7,930

- 4.2 In addition to the above, as the site is accepting and storing combustible waste, the operator will be submitting additional documentation and the following table sets out the additional charges.

Table 4.2 – Additional Application Fees Table - Charges for plans and assessments

General	Consideration	Document & Ref	Fee
Environmental Management System (Summary)	Mandatory	GPL-3329-A	N/A
Fire Prevention Plan	Required due to combustible waste storage	GPL-3329-B	£1,241
Non-Technical Summary	Mandatory	GPL-3329-C	N/A
Environmental Risk Assessment	Required due to permitted activities	GPL-3329-D	N/A
Site Condition Report	Mandatory	GPL-3329-E	N/A
Noise Impact Assessment	Not required – See Section 5	N/A	N/A
Odour Management Plan	Required due to permitted activities	GPL-3329-F	£1,246
Pests Management Plan	Required due to permitted activities	GPL-3329-G	£1,241
Climate Change Risk Assessment	Not required as per Part B2	N/A	N/A
Evidence of Deemed Competence	Mandatory	GPL-3329-H	N/A
TOTAL			£3,728

- 4.3 In addition to the above table, the following forms have been submitted as part of this application, Parts A, B2, B4 & F1
- 4.4 Based on the above, the total fee payable to the EA on submission will be **£11,658.**
- 4.5 The table below summarises which parts of the application forms request the above documentation which would normally be completed in Application Form Part F1; Section 6.

Table 4.3 – Application Form Reference Table

Application Form	Question Ref	Page No.	Document Ref
Part B2	3b	6	GPL-3329-H
Part B2	3d3	6	GPL-3329-A
Part B2	5a	7	GPL/3329/02 - 04
Part B2	5b	7	GPL-3329-E
Part B2	5c	8	GPL-3329-C
Part B2	5d	8	GPL-3329-B
Part B2	6	8	GPL-3329-D
Part B4	1a	3	GPL-3329-C
Part B4	3b (Table 3b)	5	GPL-3329-G
Part B4	4a	5	GPL-3329-D & GPL-3329-G

5 Justification for no Noise Impact Assessment or Noise Management Plans

- 5.1.1 The nearest sensitive receptors (NSR) are approximately 480m to the north (off Wolverton), 618m to the east (Glebe Road), 428m to the south (Moss Lane), and 970 to the west (White Moss Road).
- 5.1.2 In addition to the above, the site is situated on a busy industrial estate where noise is likely to be of a similar character and level of existing surrounding land uses i.e. industrial and commercial businesses. The site is also adjacent to the M58 motorway which sits directly south of the site. Other NSRs are suitably screened by other industrial sites and buildings including Hills Salvage and Recycling Ltd (ELV and metal processing site) to the west.
- 5.1.3 All waste treatment will take place inside sealed building. The building has four no. roller shutter doors, two of which are north-west facing, the NSRs facing north-west are approximately 580m away (Wheatacre). The other shutters are north and east facing, the north shutter is likely to remain closed and only open for emergency and in terms of the roller shutter to the east, the NSRs are situated over 950m away. All roller shutters would be closed other than when vehicles are accessing/egressing the building. The only noise generated outside would arise from the acceptance, storage, separation (by manual means) and movement of waste using loading shovels and forklift trucks. All waste tipped, stored outside will be done within concrete storage bays which will act as their own noise barrier.
- 5.1.4 The site has been previously operated by Viridor Polymer Recycling Ltd since 2007 for a similar use and has never generated any noise complaints previously.
- 5.1.5 It is considered the site is not creating any additional noise than what was operated previously.

- 5.1.6 Management will ensure that all loading plant operated is functioning suitably i.e. moving parts to be regularly lubricated.