

# NON-TECHNICAL SUMMARY

52 Church Road, Perry Barr, Birmingham, B42 2LB

**B.S. Plastics Limited**

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# **1 Introduction**

- 1.1.1 This Non-Technical Summary accompanies the above application submitted by B.S. Plastics Limited are applying for a bespoke environmental permit for the acceptance storage and treatment of plastic packaging waste. Recycled product will consist of plastic flakes and pellets which will be manufactured into aprons and clinical sacks for the NHS, refuse sacks, polythene sheeting, jumbo reels, LFT tubing and mailing bags. Residual waste produced as the site will be sent to a suitably permitted facility. The site will not be open to the general public for the deposit of waste.
- 1.1.2 The site is located at 52 Church Road, Perry Barr, Birmingham, B42 2LB, which is situated off the B4132 on Dulverton Road.
- 1.1.3 Drawing No. CHU/2970/03 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 B.S. Plastics Limited will hold and operate an Environmental Permit (EP) for the acceptance, storage and treatment of plastics.

2.2 The throughput of the site will be limited to <25,000 tonnes per annum.

2.3 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:

- Compaction using 360° excavator.
- Manual sorting/separation with forklift or hand.
- Mechanical sorting/separation by using appropriate mechanical plant
- Crushing by using appropriate mechanical plant
- Reaming by using appropriate mechanical plant
- Drying using dehydrator
- Washing, shredding, granulation and pelleting (by mechanical equipment)
- Baling (by use of balers)

2.4 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.

2.5 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** = 08:30 – 16:00 Monday – Friday (no operations Weekends or Bank Holidays)
- **Waste processing** = 24/7 Monday – Friday (no operations Weekends or Bank Holidays – only in extenuating circumstances)
- **Manufacturing unit** = As above
- **Plant maintenance and full site housekeeping** = Saturday/Sunday

### 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**

<b>Plastic Recycling Facility</b>	
<b>Maximum Quantities</b>	<b>The total quantity of waste accepted shall be less than 25,000 tonnes a year</b>
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres</b>
<b>Waste Code</b>	<b>Description</b>
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 02	plastic 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 04	consisting of plastic only
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes)
20 01	separately collected fractions (except 15 01)
20 01 39	plastics

## 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	Main Application Fee	Bespoke	£7,930
		<b>TOTAL</b>	

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	Mandatory	CHU-2970-A	N/A
Fire Prevention Plan	Required due to combustible waste storage	CHU-2970-B	£1,241
Non-Technical Summary	Mandatory	CHU-2970-C	N/A
Environmental Risk Assessment	Required due to permitted activities	CHU-2970-D	N/A
Site Condition Report	Mandatory	CHU-2970-E	N/A
Noise Impact Assessment	Required due to permitted activities	CHU-2970-F	£1,246
Odour Management Plan	<b>No odourous waste accepted see Section 5</b>	N/A	N/A
Climate Change Risk Assessment	Required due to site location	CHU-2970-H	N/A
Evidence of Deemed Competence	Mandatory	CHU-2970-I	N/A
		<b>TOTAL</b>	<b>£2,487</b>



- 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 **£10,417.**
- 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**

<b>Application Form</b>	<b>Question Ref</b>	<b>Page No.</b>	<b>Document Ref</b>
Part B2	3b	6	CHU-2970-I
Part B2	3d3	6	CHU-2970-A
Part B2	5a	7	CHU/2970/02 - 04
Part B2	5b	7	CHU-2970-E
Part B2	5c	8	CHU-2970-C
Part B2	5d	8	CHU-2970-B
Part B2	6	8	CHU-2970-D
Part B2	6b	8	CHU-2970-H
Part B4	1a	3	CHU-2970-C
Part B4	3b (Table 3b)	5	CHU-2970-F

## **5 Justification for no Odour Management Plan**

5.1 A risk assessment of the waste stream has revealed that the detection of noticeable odour at the site is negligible for the following reasons:

- i) The operator has been at the site operating under a T4 exemption for 5 years and has not received any odour complaints.
- ii) The containment of all waste and the strict waste acceptance criteria presents a very low risk of odour nuisance.
- iii) The operator only purchases material which act as feedstock for the processing plant and as all waste is inspected on arrival, there is a negligible odour risk at the site.
- iv) The plastic waste received by the operator comprises film from the industrial/manufacturing industry and not from householders, food distributors where odour could be present in the load.
- v) If malodorous waste is detected after deposit it will remain inside the delivery vehicle and marked as rejected and placed in quarantine for removal off site as soon as practicable.
- vi) The containment of the recovery process within a purpose-built industrial building will reduce the likelihood of such a hazard occurring. Any incoming wastes which are malodorous will be rejected.

5.2 The wastes before being unloaded from the curtain sided trailer will be inspected for contrary items and any material found not suitable or contain any sources of odour will not be unloaded and left on the trailer.

5.2.1 Any wastes identified during the incoming waste inspections which do not conform to site acceptance criteria will not be accepted and/or removed and quarantined immediately to await safe removal from site. The EA will be contacted (where necessary) if the non-conforming waste discovered is likely to lead to a breach of permit conditions.

- 5.2.2 Based on the above, it would be inconsiderate of the operator having to prepare, submit and pay for assessment of an odour management plan where no odorous waste is accepted at the site.