

NON-TECHNICAL SUMMARY

The Scrap Yard, Barnfields Industrial Estate, Leek, Staffordshire ST13 5QG

R Bestwick and Sons Ltd

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1 Introduction

1.1 Note

1.1.1 This Non-Technical Summary (NTS) accompanies an application for a variation of EPR/FB3934RM which is operated by R Bestwick and Sons Ltd. The Environmental Permit is situated at The Scrap Yard, Barnfields Industrial Estate, Leek, Staffordshire ST13 5QG. The site is currently able to accept and processes 25,000 tonnes of waste per annum under the following activities:

- Vehicle storage, depollution and dismantling [Authorised Treatment Facility (ATF)]
- Metal Recycling
- Waste electrical and electronic equipment (WEEE) ATF

1.2 Permit status log

1.2.1 The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Table 1.1 – Status log of permit

Status log of the permit		
Description	Date	Comments
Waste Disposal Site Licence /L/91/0397	20/11/91	
Modification of Waste Management Licence 1/L/91/0397	31/03/97	
Modification of Waste Management Licence 1/L/91/0397	31/03/99	Waste Management Licence 1/L/91/0397, Mod No.2 issued to Messrs. Reginald Bestwick and Robert Bestwick
Modification of Waste Management Licence 1/L/91/0397, Mod No. 2	07/11/08	EAWML 42177 issued to Messrs. Reginald Bestwick and Robert Bestwick
Transfer determined EPR/FB3934RM	23/04/12	Full transfer of permit complete

2 Application proposals

2.1 Variation proposals

2.1.1 The proposed variations to this permit are clearly set out below:

METAL RECYCLING & ELVS

- i) Update the current permit to a modern permit i.e. removing all old conditions but retain the <25,000 tonne throughput.
- ii) The maximum storage at the site will be governed by the FPP and as per table 2.2 (Section 2.2 below)
- iii) The previous waste types have been updated as per table 3.2; section 3.1.

HCI WASTE TRANSFER STATION WITH TREATMENT

- iv) Addition of a Household, Commercial, Industrial (HCI) waste transfer station (WTS) with treatment activity comprising the acceptance, storage and mechanical treatment of HCI wastes.
- v) The throughput of the above activity will be <25,000 tonnes per annum.
- vi) The proposed addition of the HCI WTS will take place externally and not inside a building.
- vii) All wastes other than specified will be stored on an impermeable concrete surface with sealed drainage and specified wastes (comprising inert soils and stones) will be stored and treated on hardstanding.
- viii) The storage volumes on site will be governed by the FPP submitted with the application.
- ix) The site will not accept wastes solely comprising dust or powders per table 3.1; section 3.1.

WEEE

- x) Retain all existing WEEE conditions from the variation issued 02/11/2008.

2.2 Limits of activities

2.2.1 The following limits of activities are set out in the table below:

Table 2.1 -Proposed Permitted Operations – HCI WTS

TABLE S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
Household, commercial & industrial waste transfer station with treatment	<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA 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</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	Treatment consisting only of manual sorting, separation, screening, baling, shredding, crushing or compaction of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.

Table 2.2 -Existing Permitted Operations – Metal Recycling, ELVs & WEEE

TABLE S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
ELV & Metal Recycling & WEEE	<p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p> <p>D15: Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p>	<p>Metal recycling: Treatment consisting only of sorting, separation, grading, shearing, baling, compacting, granulating of cables, and cutting using hand-held equipment only, of ferrous metals or alloys and non-ferrous metals into different components for recovery.</p> <p>Wastes shall be stored for no longer than 3 years prior to recovery.</p> <p>The maximum quantity of hazardous waste stored at the site shall not exceed 50 tonnes at any one time.</p> <p>There shall be no treatment including the decanning of catalytic converters, other than sorting and separating from other wastes.</p> <p>No more than 10 tonnes of intact waste vehicle catalytic converters (waste code 16 01 21* or 16 01 22) shall be stored at the site at any one time</p> <p>Vehicle dismantling: Treatment consisting only of depollution of waste motor vehicles and sorting, separation, baling, compacting, or cutting using hand-held equipment only, of waste into different components for recovery.</p> <p>There shall be no treatment of lead acid batteries, other than sorting and separating from other wastes.</p> <p>The maximum quantity of hazardous waste treated for disposal or recovery shall not exceed 10 tonnes per day. This does not include the manual depollution and dismantling of waste motor vehicles.</p>

		<p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>The maximum quantity of hazardous waste stored at the site shall not exceed 50 tonnes at any one time of which no more than 10 tonnes shall be stored for disposal. This does not include waste motor vehicles awaiting manual depollution.</p> <p>No more than 25 tonnes of intact waste vehicle tyres (waste code 16 01 03) shall be stored at the site.</p> <p>WEEE Recycling: Treatment operations shall be limited to:</p> <ul style="list-style-type: none">• Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.• Treatment in shredders of waste on site for recovery (no more than 75 tonnes per day). Except for waste motor vehicles awaiting manual dismantling and WEEE awaiting manual sorting, manual dismantling, repair or refurbishment only the maximum quantity of hazardous waste (in aggregate) that can be stored at the site shall not exceed 50 tonnes at any one time. <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 3 years prior to recovery.</p> <p>There shall be no treatment of hazardous waste other than for sorting and separation from other waste streams, repair or refurbishment, or manual dismantling only</p> <p>There shall be no treatment of asbestos waste other than for manual separation from other wastes.</p>
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		<p>Treatment of WEEE shall be carried out within a building provided with a weatherproof covering. And on an impermeable surface with sealed drainage system with provision of spillage collection facilities and, where appropriate, decanters and cleanser degreasers.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none">• buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water;• rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids;• containers containing waste shall be stored on an impermeable surface with sealed drainage system. <p>Waste types suitable for acceptance are limited to those specified in the permit.</p>
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3 Additional EWC codes for proposed activities

3.1 In addition to the EWC codes the site can already accept, it is proposed to add the following EWC codes to each activity:

Table 3.1 – HCI WTS with treatment - 25,000 tonnes per annum

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 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
10	WASTES FROM THERMAL PROCESSES
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	waste concrete and concrete sludge
15	WASTE PACKAGING
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 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

Waste Code	Description
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction materials
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sands, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 38	wood other than mentioned in 20 01 37
20 01 39	plastics
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones

Waste Code	Description
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

3.1.1 In terms of the existing ELV, metals and WEEE activity, the following EWC codes are shown below which are consistent with the current (and modern) permit:

Table 3.2 – ELV, WEEE & Metal Recycling - 25,000 tonnes per annum

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 01	Waste metal
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
15	WASTE PACKAGING
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport [including off-road machinery] and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13,14, 16 06 and 16 08)
16 01 03	end-of-life tyres
16 01 04*	end-of-life vehicles
16 01 06	end-of-life vehicles (containing neither liquids nor other hazardous components)
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 21*	hazardous vehicle components – catalytic converters containing RCF matting

Waste Code	Description
16 01 22	catalytic converters not containing RCF matting
16 02	wastes from electrical and electronic equipment
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 12*	discarded equipment containing free asbestos
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	Batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cad batteries
16 06 05	other batteries and accumulators
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 01	wastes from incineration or pyrolysis if waste
19 01 02	ferrous metals removed from bottom ash
19 10	wastes from incineration or pyrolysis if waste
19 10 01	iron and steel waste
19 10 02	non-ferrous metal
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal
19 12 03	non-ferrous metal
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons

Waste Code	Description
20 01 33*	lead batteries
20 01 34	nickel metal hydride and lithium-ion vehicle batteries only
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 40	Metals

4 Documentation and fees

4.1 The following table sets out the fees required for the application.

Table 4.1 – Base Application Fee Table

EPR Charging Scheme Ref	EPR Charging Scheme Ref & Description	Type of application (Ref)	Fee
1.16.6	Household, commercial and industrial waste transfer station; includes assessment of fire prevention plan and odour management plan.	Addition of HCI WTS Activity	£9,176
1.16.15	Metal recycling site - vehicle dismantling.	Minor variation to upgrade to modern permit	£2,652
		TOTAL	£11,828

4.2 The following table sets out the documentation R Bestwick and Sons Ltd will be submitting with this application:

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

General	Consideration	Document & Ref	Fee
Waste Recovery Plan	N/A	N/A	N/A
Habitats Assessment	N/A	N/A	N/A
Fire Prevention Plan	Required due to increased fire risk. (Assessment Included in HCI Fee).	BAR-2920-B	N/A
Emissions Management Plan	Considered unnecessary due to proximity of sensitive receptors	N/A	N/A
Odour Management Plan	Required due to site operations (Assessment Included in HCI Fee).	BAR-2920-K	N/A
Noise & Vibration Management Plan	Considered unnecessary due to proximity of sensitive receptors and operating hours	N/A	N/A

Pests Management Plan	Considered unnecessary due to proximity of sensitive receptors	N/A	N/A
		TOTAL	£0.00

4.3 Based on the above, the total fee payable to the Environment Agency on submission will be **£9,176**

4.4 The table overleaf 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	Document Ref
Part C2	2b & Table 1	BAR-2920-C
Part C2	3b	BAR-2920-F
Part C2	3d	BAR-2920-A
Part C2	5a	BAR-2920-01, BAR-2920-02, BAR-2920-03, BAR-2920-04 – also found in Appendices of main documentation
Part C2	5c	BAR-2920-C
Part C2	5d & 5e	BAR-2920-B
Part C2	6	BAR-2920-D
Part C4	1 & Table 1a	BAR-2920-C
Part C4	3 & Table 3b	BAR-2920-D

5 Summary of waste storage and treatment

5.1 Waste storage and treatment summary

5.1.1 All waste associated with the WTS is expected to arrive in mixed loads and then subject to the following procedures

- a) All mixed loads will be tipped in a reception bay and then by primarily sorted by hand or mechanical grabs into recyclable materials such as paper/cardboard, plastics, wood/timber, metal, etc. and then transferred to adjacent skips.
- b) Specified wastes comprising soils/stones will be sorted from the above wastes and stored on a separate hardstanding surface.
- c) All existing operations comprising scrap metal and ELVs will be stored and treated on an impermeable surface with sealed drainage.
- d) The site does not currently accept any WEEE waste or waste which could contain Persistent Organic Pollutants (POPs).

5.1.2 The site is not expected to undertake any mechanical treatment of the wastes associated with proposed HCl WTS activity within the first 12 months of operating. The only mechanical treatment which will take place at the site is associated with the existing activities and comprise baling of ELVs.