Facility Variations and Operations

INTRODUCTION

This Application is for proposals to vary Environmental Permit EPR/XP3393FX, held by C Bialek Limited trading as CB Skips.

The site has been operating as a waste facility, under the then Waste Management Licence (WML), since June 1997, accepting skip waste mainly from the construction and demolition sector plus domestic skips. Two variations were issued in 2000 and 2003 to change a number of conditions on the old WML and a further variation in 2009 to amend an administrative error with the operator's name. Therefore, the extant permit is in the format, and has the majority of the conditions, contained within the original WML from 1997.

Over the preceding 15 years the site has expanded and in line with changes to waste management practices, has invested in new machinery and techniques to ensure that operations embrace the concept of the Waste Hierarchy. In November 2023, a routine Environment Agency inspection highlighted a number of breaches in the environmental permit concerning drainage, waste acceptance and activities based upon the specific nature of prescriptive conditions of the Environmental Permit. As part of a Voluntary Improvement Plan entered into by the Operator with the Environment Agency, a variation of the permit is to be sought to regularise the operations on the site with the obligations under the environmental permit.

VARIATIONS

Five variations are being applied for within this application:

1. The expansion of the permitted area to include new buildings and the old skip parking area, all within the ownership of the Operator.

As operations have increased, the area that was originally permitted on the site has been expanded resulting in a number of storage bays and buildings being outside of the current permitted area:

- wood areas V, W and X, used for storage;
- Recycling Barn B1, a processing building where sorting and baling operations are undertaken on a concrete floor;
- part of New Barn B3, a waste reception building for segregating incoming wastes; and
- rolon-off containers for the storage of PVC windows and reinforcing bar in areas M and S respectively.

The existing and proposed permit footprints are shown at document C2.5a(ii), Permit boundary variation plan.

The inclusion of these areas within the permitted area is sought to allow the continued acceptance and processing of incoming wastes and for storage on the site.

2. The allocation of European Waste Catalogue (EWC) codes to the permit in accordance with a modern permit format.

The existing permit uses pre-EWC descriptions of the wastes that are accepted into the site. These have been converted to provide a list of EWC codes.

Additional waste codes are applied for to allow previous operations to continue once the permit is determined. In addition, a small number of codes are requested following commercial enquires. A number of these additional codes are for hazardous wastes. Waste types include bonded asbestos and Waste Electrical and Electronic Equipment (WEEE) in sealed containers and hazardous wood wastes separated from incoming skips. Incoming quantities of all hazardous wastes shall be less than 10 tonnes and day with a maximum storage

capacity of 10 tonnes. Hazardous wastes will be brought in either as separately collected fractions or following sorting from removal from skips. No treatment of hazardous wastes or WEEE will occur on the site.

3. The regularisation of the impermeable pavement and sealed drainage to extend to the whole of the proposed permitted area.

The proposal includes the construction of new concrete pavement with kerbing and a fall to the centre of the site shown at document C2.5a(iv), Drainage plan. All effluent from the site is drained to a central sump where it is stored prior to removal off-site by tanker. Additional kerbing has been added to allow all fluids to drain to the central sump from the site perimeter.

4. Introduction of the appropriate Recovery and Disposal codes to allow the site to move from a transfer station to a treatment facility allowing physical treatment of non-hazardous wastes (1.16.12).

This variation seeks to allow the continued operation of the 2591- 4 Bay/ Double Decked trommel Picking Station and the LSM H80 Static Baler equipment that had been installed in 2019. The current permit prohibits segregation/sorting using mechanical means, effectively classifying the operation as a transfer station. The addition of a new permitted activity, 'physical treatment of non-hazardous wastes (1.16.12)' will allow these codes to be added to the permit. Adding the following R&D codes to the permit will regularise and define the operations that can be undertaken on the site, ensuring that physical treatment of non-hazardous and inert wastes can continue:

- R3 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes);
- R4 - Recycling/reclamation of metals and metal compounds;
- R5 - Recycling/reclamation of other inorganic materials;
- 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);
- D9 - Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcination;
- D14 - Repackaging prior to submission to any of the operations numbered D1 to D13; and
- D15 - Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

5. Update the whole permit to a modern format permit.

The existing permit is of a type with prescriptive conditions detailing how the site will operate. A common format when first determined in 1997. This application seeks to update the permit into a modern format where operational and environmental control details are contained within the Operator's EMS.

6. To change the primary activity to a hazardous waste transfer station (1.16.5).

The current permit allows for transfer of non-hazardous and inert wastes only. This application seeks to vary the range of waste to be accepted on the site, by including the following types of hazardous wastes that can also be transferred at the facility:

- bonded asbestos;
- Waste Electrical and Electronic Equipment (WEEE);
- hazardous wood wastes;
- batteries;
- brake pads;
- paints, inks and adhesives; and

- fluorescent tubes.

The addition of these wastes will require the permitted activity to be changes to a hazardous waste transfer station (1.16.5). These wastes will be generated by separation from incoming skips. Incoming quantities of all hazardous wastes shall be less than 10 tonnes and day with a maximum storage capacity of 10 tonnes. Hazardous wastes will be brought in either as separately collected fractions or following sorting from removal from skips. No treatment of hazardous wastes or WEEE will occur on the site.

7. Increase in annual tonnage from 35,000Tpa to 42,000Tpa

Throughput increases due to the addition of the hazardous wastes and also to allow potential increases in volumes due to the upgrading of the facility.

SITE LAYOUT

The site layout showing the operational and storage areas and bays is shown at document C2.5a(iii), Site layout plan. The index of bays and areas is shown below:

Table 1. Waste and Product Storage Bays:

Bay ID	Material	Combustible	Maximum Storage Time	Maximum Storage Size (L x D x H) Or Container type & total	Bay Wall Height (M)	Maximum Quantity (M3)	Tonnage (KG)
A	Type 1 Bay	No	N/A	7.5 x 10 x 2.5	3m	187.5 m3	100'000
B	Grit Sand Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
C	Building Sand Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
D	Ballast Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
E	Small Hardcore Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
F	Hardcore Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	70'000
G	20mm Shingle Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
H	10mm Shingle Bay	No	N/A	5 x 8 x 2.5	3m	100 m3	60'000
I	Residual Waste Bay	Yes	< 1 month	10 x 10 x 2.5	3m	250 m3	40'000

Bay ID	Material	Combustible	Maximum Storage Time	Maximum Storage Size (L x D x H) Or Container type & total	Bay Wall Height (M)	Maximum Quantity (M3)	Tonnage (KG)
J	Residual Waste Bay	Yes	< 1 month	8.2 x 7 x 2.5	N/A	143 m3	30’000
K	Metal/ Rebar reinforced	No	< 3 months	1x 20 Yard Roro	N/A	17.64 m3	15’000
L	Top Soil Bay	No	N/A	5 x 3 x 1.5	2m	22.5 m3	20’000
M	Mixed ferrous metal	No	< 3 months	1x 55 Yard Roro	N/A	39.35 m3	10’000
N	Fines Bay	No	< 3 months	5.6 x 6 x 0.5	1m	16.8 m3	15’000
O	Soil Bay	No	< 3 months	4 x 5.4 x 0.5	1m	10.8 m3	15’000
P	Processed Waste	Yes	< 1 month	10 x 4.8 x 2.5	N/A	120 m3	10’000
Q	Wood	Yes	< 1 month	1x 35 Yard Roro	N/A	29.85 m3	10’000
R	Plasterboard	Yes	< 1 month	1x 55 Yard Roro	N/A	39.35 m3	15’000
M	Mixed ferrous metal	No	< 3 months	1x 35 Yard Roro	N/A	29.85 m3	10’000
M	Mixed ferrous metal	No	< 3 months	1x 55 Yard Roro	N/A	39.35 m3	10’000
T	Wood Bay	Yes	< 1 month	5 x 4 x 2.5	3m	50 m3	3’000
U	Residual Waste Bay	Yes	< 1 month	15 x 8 x 2.5	3m	300 m3	75’000
V	Wood Waste Bay	Yes	< 1 month	7.5 x 10 x 2.5	3m	187.5 m3	60’000
W	Wood Waste Bay	Yes	< 1 month	7.5 x 10 x 2.5	3m	187.5 m3	60’000
X	PVC (windows) Bay	No	< 3 months	7.5 x 10 x 2.5	3m	187.5 m3	20’000
Y	Tyres	No	< 3 months	1x 35 Yard Roro	N/A	29.85 m3	5’000

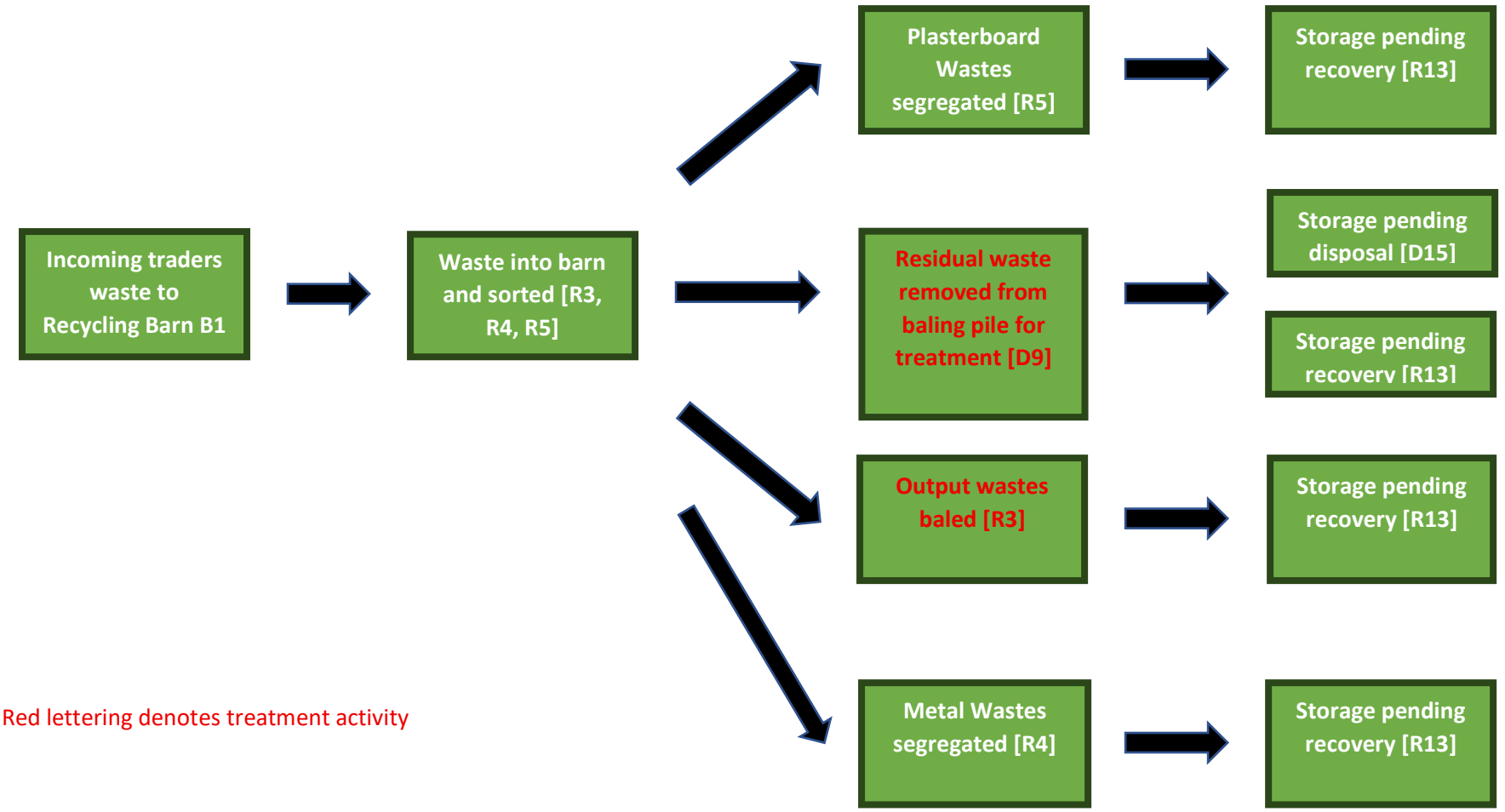
Bay ID	Material	Combustible	Maximum Storage Time	Maximum Storage Size (L x D x H) Or Container type & total	Bay Wall Height (M)	Maximum Quantity (M3)	Tonnage (KG)
Z	Green Waste	Yes	< 3 months	1x 55 Yard Roro	N/A	39.35 m3	15’000
AA*	Asbestos (Haz)	No	< 3 months	1x 5 Yard	N/A	5 m3	4’000
AB*	POPs (Haz)	Yes	< 1 month	1x 55 Yard Roro	N/A	39.35 m3	4’000
AC*	Gas Cage	Yes	< 1 Month	3 x 1.6 x 2.5	N/A	12 m3	500
AD*	WEEE	Yes	< 1 month	1x 14 Yard	N/A	14 m3	2’000
AE*	Batteries (lead)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	1’000
AG*	Batteries (Various)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3 Vapes (2x 30L Drum) 20 01 33* (4x 30L Drum)	40
AH	N-F Metal (Household Cable)	Yes	< 3 months	1.9 x 1.2 x 1.3	N/A	3 m3	1’300
AI	N-F metal (Armoured Cable)	Yes	< 3 months	1.9 x 1.2 x 1.3	N/A	3 m3	800
AJ	N-F Metal (plugs)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	400
AK	N-F Metal (Copper)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	400
Al	N-F Metal (Motors)	No	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	400
AM	N-F Metal (Brass)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	400
AN	N-F Metal (Lead)	Yes	< 3 months	1.2 x 1 x 0.7	N/A	1 m3	400

Bay ID	Material	Combustible	Maximum Storage Time	Maximum Storage Size (L x D x H) Or Container type & total	Bay Wall Height (M)	Maximum Quantity (M3)	Tonnage (KG)
AO	N-F Metal (aluminium)	Yes	< 3 months	1x 12 Yard	N/A	12 m3	1'000
AP	N-F Metal (stainless Steel)	Yes	< 3 months	1x 12 Yard	N/A	12 m3	1'000
AQ	N-F Metal (aluminium)	Yes	< 3 months	1.9 x 1.2 x 1.3	N/A	3 m3	500
B1	Barn 1- Waste Reception Mixed Non-Haz + Haz	Yes	< 1 month	9.6 x 5.9 x 2.5	3m	141 m3	12'000
1A	Barn 1- Baled Products	Yes	< 3 months	13 x 4 x 3.6	N/A	187.2	18'000
B2	Barn 2- Waste Reception Mixed Inert Non- Haz	No	< 3 months	7 x 8.5 x 3	3.5m	115 m3	60'000
B3	Barn 3- Waste Reception Mixed Non-Haz	Yes	< 1 month	9.5 x 18 x 3.5	4m	598.5	100'000

OPERATIONS

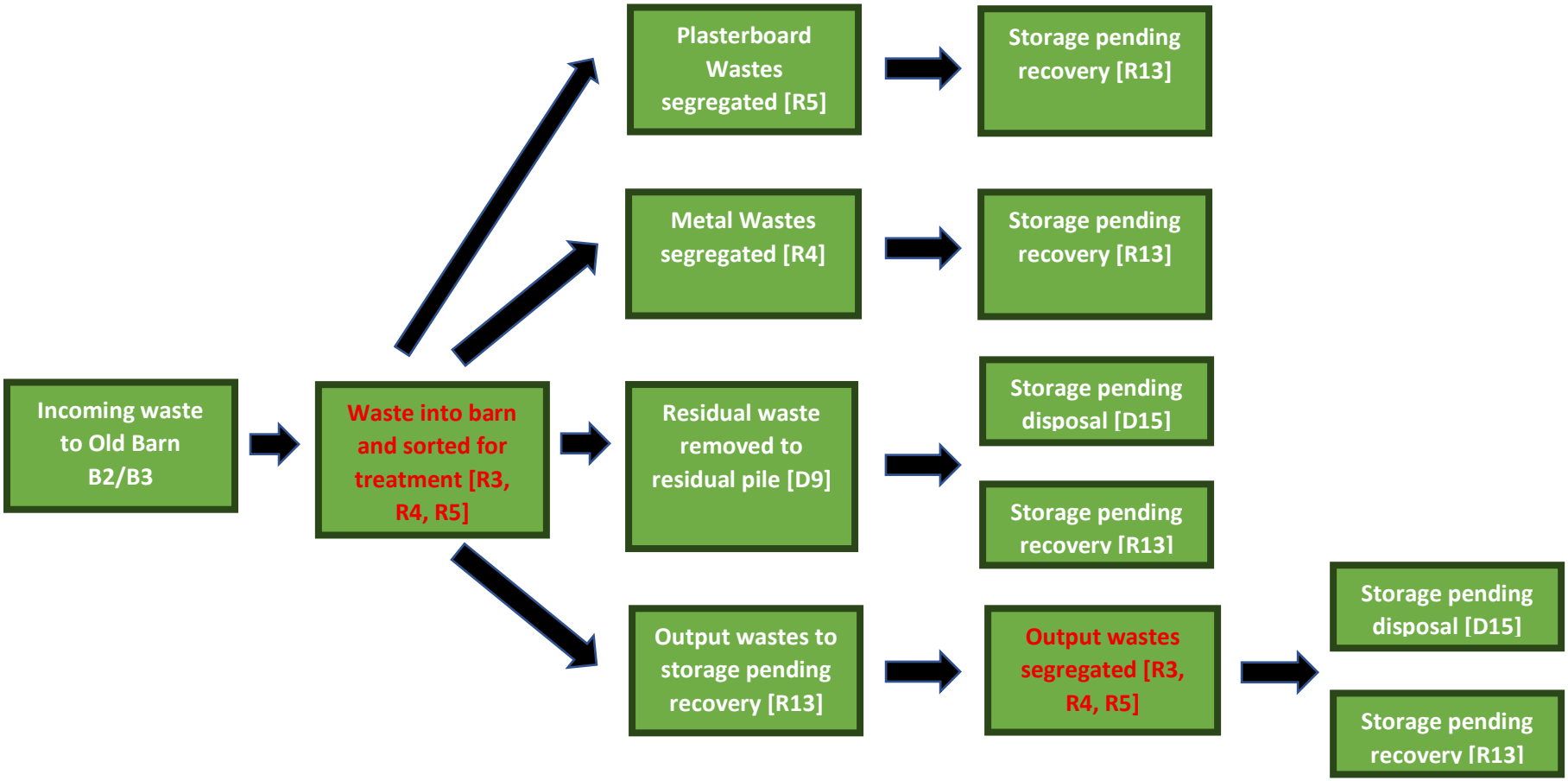
Incoming wastes are treated and processed in accordance with the process flow diagrams contained at Figures 1 and 2 below.

Figure 1 – Process Flow Diagram Traders Waste.



Red lettering denotes treatment activity

Figure 2 – Process Flow Diagram Skip Waste.



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