

Britaniacrest Recycling Ltd

Former Wealden Brickworks Waste
Transfer Station

Environmental Permit Application

Operating Techniques

October 2014

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1.0 Introduction

1.1 Report Context

1.1.1 This section of the Environmental Permit application corresponds to Part B4 of the Environmental

Permit application form, and specifically details the operating, monitoring and management procedures for the activities undertaken on site.

1.1.2 This Environmental Permit application has been prepared by WYG on behalf of the Operator, Britaniacrest Recycling Ltd (referred to as Britaniacrest for the rest of this report).

1.1.3 The applicant seeks to gain a bespoke Environmental Permit for the storage and treatment of wastes at their site at the Former Wealden Brickworks, Langhurst Wood Road in Horsham, West Sussex. The site will accept, store and treat predominantly non-hazardous waste but will also accept and store some asbestos waste. The wastes to be accepted and the activities to be undertaken are described in more detail in this report.

1.2 Site Setting

1.2.1 The site is located at National Grid Reference TQ 17148 34313. The site comprises an area of approximately 3.12 hectares and it is an established industrial site which has an existing large industrial building and other smaller buildings. It is located within predominantly industrial immediate surroundings and there are also a number of other waste activities in the vicinity.

Site Access

1.2.2 The site can be accessed via a shared private road which junctions with Langhurst Wood Road. Langhurst Wood Road links to the A264 approximately 750m to the south.

Geology

1.2.3 According to the BGS Geology of Britain Viewer, the site would have bedrock geology of the Weald

Clay Formation (mudstone). This is a sedimentary bedrock formed approximately 125 to 134 million years ago in the Cretaceous Period.

1.2.4 There are no recorded superficial deposits. The site is partially identified as worked ground, as it is located on the periphery of a former brick clay extraction site.

Hydrology

1.2.5 According to the Environment Agency website, the site is not located within an area at risk of flooding. The Bolding Brook is located approximately 100m to the west of the site and is the only major watercourse within close proximity to the site.

Hydrogeology

1.2.6 According to the Environment Agency website, the site is not located within a Groundwater Source Protection Zone (GSPZ) and it does not lie over a designated aquifer.

2.0 Site Information

2.1 Operating Hours

2.1.1 In accordance with the planning consent, the operating hours at the site will be as follows:

Table 1: Operating Hours

Days Hours

Monday to Friday 07:00 to 17:00

Saturday 07:30 to 13:30

Sunday and Bank Holidays No operations

2.2 Permitted Activities

2.2.1 The activities undertaken on site will consist of the acceptance, storage and processing of non hazardous wastes for recovery purposes.

2.2.2 It is considered that these activities fall under the following R/D codes:

Table 2: Proposed permitted R/D codes R/D Code Activity

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).

R5 Recycling/reclamation of other inorganic materials.

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

D14 Repackaging prior to submission to any of the operations numbered D1 to D13.

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

R3 Recycling/reclamation of organic substances which are not used as solvents.

R4 Recycling/reclamation of metals and metal compounds.

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2.3 Site Layout

2.3.1 The proposed Environmental Permit boundary and an indicative site layout are shown on Drawing No. 003 Rev 1.

2.3.2 The site will comprise the following main building elements:

- A small visitor centre and the main staff amenities (linked);
- Waste Transfer Station building, including a reception hall, sorting areas and air treatment areas;
- A recycle output and storage area; and
- A yard area for recycling construction and demolition waste.

2.3.3 In addition, the following infrastructure will be in place:

- Weighbridge;
- An 'in' and an 'out' weighbridge booth including staff rest facilities;
- Retention of brickworks chimney stack (this will not be in use and is being retained in case it may be used in the future); and
- Weighbridge office.

2.4 Site Equipment and Maintenance

2.4.1 Available plant and equipment on site and their uses are as follows:

- Loading shovel -loading trucks and stockpiling duties;
- Excavator -loading crushing and screening plant;
- Screener -processing inert construction and demolition waste external to building;
- Wood shredder -processing wood from construction, demolition and industrial sources;

and

- Baler -baling residual waste from construction, demolition, industrial and domestic sources.

2.4.2 All site machine drivers will be trained and licensed for the machinery that they will be operating.

2.4.3 All plant will be inspected on a daily basis for condition and operating efficiency. A planned preventative maintenance programme will also be implemented to ensure that equipment is repaired prior to failure rather than waiting for it to fail.

2.5 Staffing and Site Supervision

2.5.1 During operational hours, the following staff will be on site:

- Site Manager;
- Machine Drivers;
- Transport Manager;
- Yard Operatives; and
- Vehicle Mechanic.

2.5.2 The site will have a technically competent Site Manager who holds the appropriate level of technical competence (as provided in Appendix A).

3.0 Permitted Waste Types and Quantities

3.1 Permitted Annual Throughput

3.1.1 It is proposed that the permitted annual throughput of the site will be 200,000 tonnes per annum.

It is envisaged that this will consist of:

- 140,000 tonnes per annum -commercial, industrial and domestic waste; and
- 60,000 tonnes per annum – construction and demolition waste.

3.1.2 The maximum quantity of asbestos waste received will be 10 tonnes per day.

3.2 Waste Types

3.2.1 Table 3 lists the wastes to be processed at the facility using the appropriate codes and descriptions from the European Waste Catalogue (EWC).

Table 3: Proposed Waste Types

Waste Code

Waste Description

01 WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS

01 01 Wastes frommineralexcavation

01 01 01 Wastes from mineral metalliferous excavation

01 01 02 Wastes from mineral non-metalliferous excavation

01 03 Wastes from physical and chemical processing of metalliferousminerals

01 03 06 Tailings other than those mentioned in 01 03 04 and 01 03 05

01 03 09 Red mud from alumina production other than the wastes mentioned in 01 03 07

01 04 Wastes from physical and chemical processing of non-metalliferous minerals

01 04 08 Waste gravel and crushed rocks other than those mentioned in 01 04 07

01 04 09 Waste sand and clays

01 04 11 Wastes from potash and rock salt processing other than those mentioned in 01 04 07

01 04 12 Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11

01 04 13 Wastes from stone cutting and sawing other than those mentioned in 01 04 07

02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY,

HUNTING & 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)

02 01 07 Wastes from forestry

02 01 10 Waste metal

- 02 02 Wastes from the preparation and processing of meat, fish and other foods of animal origin
- 02 02 03 Materials unsuitable for consumption or processing
- 02 03 Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing
- 02 03 04 Materials unsuitable for consumption or processing
- 02 04 Wastes from sugar processing
- 02 04 01 Soil from cleaning and washing beet
- 02 04 02 Off-specification calcium carbonate
- 02 05 Wastes from the dairy products industry
- 02 05 01 Materials unsuitable for consumption or processing
- 02 06 Wastes from the baking and confectionary industry
- 02 06 01 Materials unsuitable for consumption or processing
- 02 06 02 Wastes from preserving agents
- 02 07 Wastes from the production of alcoholic and non-alcoholic beverages (except tea, coffee and cocoa)
- 02 07 01 Wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 02 Wastes from spirits distillation
- 02 07 04 Materials unsuitable for consumption or processing
- 03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER
- 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
- 03 03 07 Mechanically separated rejects from pulping of waste paper and cardboard
- 03 03 08 Wastes from sorting of paper and cardboard destined for recycling
- 03 03 10 Fibre rejects, fibre -, filler-and coating-sludges from mechanical separation
- 04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
- 04 01 Wastes from the leather and fur industry
- 04 01 08 Waste tanned leather (blue sheets, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 Wastes from dressing and finishing
- 04 02 Wastes from the textile industry
- 04 02 21 Wastes from unprocessed textile fibres
- 04 02 22 Wastes from processed textile fibres
- 06 WASTES FROM INORGANIC CHEMICAL PROCESSES
- 06 09 Wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
- 06 09 02 Phosphorous slag
- 06 09 04 Calcium-based reaction wastes other than those mentioned in 06 09 03
- 06 11 Wastes from the manufacture of inorganic pigments and opacifiers

06 11 01 Calcium-based reaction wastes from titanium dioxide production

07 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 02 Wastes from the MSFU of plastics, synthetic rubber and man-made fibres

07 02 13 Waste plastic

09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY

09 01 Wastes from the photographic industry

09 01 07 Photographic film and paper containing silver or silver compounds

09 01 08 Photographic film and paper free of silver or silver compounds

09 01 10 Single-use cameras without batteries

09 01 12 Single-use cameras containing batteries other than those mentioned in 09 01 11

10 WASTES FROM THERMAL PROCESSES

10 01 Wastes from power stations and other combustion plants (except 19)

10 01 01 Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)

10 01 05 Calcium-based reaction wastes from flue-gas desulphurisation in solid form

10 01 07 Calcium-based reaction wastes from flue-gas desulphurisation in sludge form

10 01 15 Bottom ash, slag and boiler dust other than those mentioned in 10 01 14

10 01 19 Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18

10 01 24 Sand from fluidised beds

10 02 Wastes from the iron and steel industry

10 02 01 Wastes from the processing of slag

10 02 02 Unprocessed slag

10 02 08 Solid wastes from gas treatment other than those mentioned in 10 02 07

10 02 10 Mill scales

10 02 14 Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13

10 02 15 Other sludges and filter cakes

10 03 Wastes from aluminium thermal metallurgy

10 03 02 Anode scraps

10 03 05 Waste alumina

10 03 16 Skimmings other than those mentioned in 10 03 15

10 03 18 Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17

10 03 24 Solid wastes from gas treatment other than those mentioned in 10 03 23

10 03 26 Sludges and filter cakes from gas treatment other than those mentioned in 10 03 27

10 03 28 Wastes from cooling-water treatment other than those mentioned in 10 03 27

10 03 30 Wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29

10 04 Wastes from lead thermal metallurgy

10 04 10 Wastes from cooling-water treatment other than those mentioned in 10 04 09

10 05 Wastes from zinc thermal metallurgy

10 05 01 Slags from primary and secondary production

10 05 09 Wastes from cooling-water treatment other than those mentioned in 10 05 08

10 05 11 Dross and skimmings other than those mentioned in 10 05 10

10 06 Wastes from copper thermal metallurgy

10 06 01 Slags from primary and secondary production

10 06 02 Dross and skimmings from primary and secondary production

10 06 10 Wastes from cooling-water treatment other than those mentioned in 10 06 09

10 07 Wastes from silver, gold and platinum thermal metallurgy

10 07 01 Slags from primary and secondary production

10 07 02 Dross and skimmings from primary and secondary production

10 07 03 Solid wastes from gas treatment

10 07 05 Sludges and filter cakes from gas treatment

10 07 08 Wastes from cooling-water treatment other than those mentioned in 10 07 07

10 08 Wastes from other non-ferrous thermal metallurgy

10 08 09 Other slags

10 08 11 Dross and skimmings other than those mentioned in 10 08 10

10 08 13 Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12

10 08 14 Anode scrap

10 08 18 Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17

10 08 20 Wastes from cooling-water treatment other than those mentioned in 10 08 19

10 09 Wastes from casting of ferrous pieces

10 09 03 Furnace slag

10 09 06 Casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05

10 09 08 Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07

10 09 14 Waste binders other than those mentioned in 10 09 13

10 09 16 Waste crack-indicating agent other than those mentioned in 10 09 15

10 10 Wastes from casting of non-ferrous pieces

10 10 03 Furnace slag

10 10 06 Casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05

10 10 08 Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07

10 10 14 Waste binders other than those mentioned in 10 10 13

10 10 16 Waste crack-indicating agent other than those mentioned in 10 10 15

10 11 Wastes from manufacture of glass and glass products

10 11 03 Waste glass-based fibrous materials

10 11 10 Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09

10 11 12 Waste glass other than those mentioned in 10 11 11

10 11 16 Solid wastes from flue-gas treatment other than those mentioned in 10 11 15

10 11 18 Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17

10 12 Wastes from manufacture of ceramic goods, bricks, tiles and construction products

10 12 01 Waste preparation mixture before thermal processing

10 12 05 Sludges and filter cakes from gas treatment

10 12 06 Discarded moulds

10 12 08 Waste ceramics, bricks, tiles and construction products (after thermal processing)

10 12 10 Solid wastes from gas treatment other than those mentioned in 10 12 09

10 12 12 Wastes from glazing other than those mentioned in 10 12 11

10 13 Wastes from manufacture of cement, lime and plaster and articles and products

made from them

10 13 01 Waste preparation mixture before thermal processing

10 13 04 Wastes from calcinations and hydration of lime

10 13 07 Sludges and filter cakes from gas treatment

10 13 10 Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09

10 13 11 Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

10 13 13 Solid wastes from gas treatment other than those mentioned in 10 13 12

10 13 14 Waste concrete and concrete sludge

11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND

OTHER MATERIALS; NON- FERROUS HYDRO METALLURGY

11 01 Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic)

11 01 10 Sludges and filter cakes other than those mentioned in 11 01 09

11 01 14 Degreasing wastes other than those mentioned in 11 01 13

11 02 Wastes from non-ferrous hydrometallurgical processes

11 02 03 Wastes from the production of anodes for aqueous electrolytical processes

11 02 06 Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05

11 05 Wastes from hot galvanising processes

11 05 01 Hard zinc

11 05 02 Zinc ash

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

12 01 05 Plastic shavings and turnings

12 01 13 Welding wastes

12 01 17 Waste blasting material other than those mentioned in 12 01 16

12 01 21 Spent grinding bodies and grinding materials other than those mentioned in 12 01 20

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 05 Composite packaging
 - 15 01 06 Mixed packaging
 - 15 01 07 Glass packaging
 - 15 01 09 Textile packaging
- 15 02 Absorbents, filter materials, wiping clothes and protective clothing
 - 15 02 03 Absorbents, filter materials, wiping clothes and protective clothing other than those mentioned in 15 02 02
- 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
 - 16 01 03 End-of-life tyres
 - 16 02 Wastes from electrical and electronic equipment
 - 16 02 14 Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
 - 16 02 16 Components removed from discarded equipment other than those mention in 16 02 15
 - 16 03 Off-specification batches and unused products
 - 16 03 04 Inorganic wastes other than those mentioned in 16 03 03
 - 16 03 06 Organic wastes other than those mentioned in 16 03 05
 - 16 06 Batteries and accumulators
 - 16 06 04 Alkaline batteries (except 16 06 03)
 - 16 06 05 Other batteries and accumulators
 - 16 11 Waste linings and refractories
 - 16 11 02 Carbon-based linings and refractories from metallurgical processes other than those mentioned in 16 11 01
 - 16 11 04 Other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
 - 16 11 06 Linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05
- 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 Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
 - 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 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
- 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 01* Insulation materials containing asbestos
- 17 06 04 Insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 06 05* Construction materials containing asbestos
- 17 08 Gypsum-based construction material
- 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 TREATMENT

PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN

CONSUMPTION/INDUSTRIAL USE

- 19 01 Wastes from incineration or pyrolysis of waste
- 19 01 02 Ferrous materials removed from bottom ash
- 19 01 12 Bottom ash and slag other than those mentioned in 19 01 11
- 19 01 18 Pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 Sands from fluidised beds
- 19 02 Wastes from physic/chemical treatments of waste (including dechromatation, decyanidation,neutralisation)
- 19 02 03 Premixed wastes composed only of non-hazardous wastes
- 19 02 10 Combustible wastes other than those mentioned in 19 02 08 and 19 02 09
- 19 04 Vitrified waste and wastes from vitrification
- 19 04 01 Vitrified wastes
- 19 05 Wastes from aerobic treatment of solid wastes

- 19 05 01 Non-composted fraction of municipal and similar wastes
- 19 05 02 Non-composted fraction of animals and vegetable waste
- 19 05 03 Off-specification compost
- 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
- 19 12 03 Non-ferrous metal
- 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 sand, stones)
- 19 12 10 Combustible waste (refuse derived fuel)
- 19 13 Wastes from soil and groundwater remediation
- 19 13 02 Solid wastes from soil remediation other than those mentioned in 19 13 01
- 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 34 Batteries and accumulators other than those mentioned in 20 01 33
- 20 01 36 Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
- 20 01 38 Wood other than that mentioned in 20 01 37
- 20 01 39 Plastics
- 20 01 40 Metals
- 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
- 20 03 Other municipal waste
- 20 03 01 Mixed municipal waste
- 20 03 02 Waste from markets
- 20 03 03 Street-cleaning residue
- 20 03 07 Bulky wastes

4.0 Waste Acceptance, Storage and Treatment

4.1 Waste Acceptance Procedures

4.1.1 Waste will be delivered to the site by Britaniacrest's own vehicles and skips as well as directly from customers. If a Britaniacrest driver is collecting a load or a skip then the driver will inspect the load for conformity with the waste description and permit.

4.1.2 Upon arrival at the site, all waste delivery vehicles are required to report to the weighbridge. The details of the load will be recorded on the weighbridge software.

4.1.3 Drivers will be required to provide documents detailing the source and description of the waste. All loads will be visually inspected on receipt to ensure compliance with the permit and the written description or any documentation provided and is in compliance with the permit.

4.1.4 Waste will only be accepted from licensed carriers (Britaniacrest Recycling Ltd are a licensed waste carrier).

4.1.5 Non-hazardous waste types must be accompanied by a waste transfer note, consistent with fulfilling the company's responsibilities under the provisions of the Duty of Care. The following details will be recorded:

- The date and time of delivery of the load;
- The origin of the waste;
- The quantity and characteristics of the waste;
- The producer; and
- Details and description of the vehicle delivering the waste, the driver's signature and the operator of the vehicle.

4.1.6 As asbestos wastes are hazardous, they must be accompanied by a hazardous waste consignment note in order to be accepted at the site, and the Operator will require the following information to be recorded:

- The process producing the waste;
- The quantity of waste;
- Chemical analysis of the waste (individual constituents and as a minimum their percentage compositions) -if applicable;
- The form the waste takes (solid, liquid, sludge, etc);
- Hazards associated with the waste;
- Any specific handling/storage requirements; and
- An EWC code.

4.1.7 The site will only accept up to 10 tonnes of asbestos wastes per day and the site staff will monitor the quantities of asbestos wastes being accepted to ensure that this limit is not exceeded.

4.1.8 No waste will be accepted at the site which does not comply with the conditions of the Environmental Permit. Any loads that are found not to comply with the conditions of the Permit, or do not conform to the description provided by the waste producer/carrier will not be accepted at the site. A record will be made of any incidents involving unauthorised waste, and a record of the rejected waste will be maintained.

4.2 Unauthorised Wastes

4.2.1 In the event that unauthorised wastes are delivered to the site or are discovered within a mixed load, the material will be loaded back on to the vehicle that discharged it, if possible and safe to do so. If this is not possible, then the material will be quarantined within the permitted area and removed from the site within 5 working days.

4.2.2 The relevant procedure in the company Management System will be employed and appropriate records will be kept of any incidents involving unauthorised waste and the subsequent actions taken.

4.2.3 If appropriate, the waste carrier and/or producer will be contacted to agree upon a corrective course of action. The EA will be notified where appropriate.

4.3 Waste Storage Procedures

4.3.1 There will be clearly defined areas for waste reception and storage at the site. An indicative site layout is provided on Drawing No 003 Rev 1. Waste reception and storage areas will benefit from impermeable surfacing and an engineered drainage system (see Section 5).

4.3.2 Once the waste acceptance procedures have been carried out, the waste will be deposited into a designated waste reception area.

4.3.3 Waste will only be accepted onto the site when there is sufficient storage capacity. The total storage capacity for waste on site will be 100,000 tonnes.

4.3.4 Asbestos wastes will be handled and stored in accordance with the latest HSE guidance. There will be a maximum storage capacity of 10 tonnes of asbestos waste.

4.4 Waste Treatment Procedures

4.4.1 Non-hazardous and inert wastes will be subjected to physical treatment only. Wastes may be subjected to manual sorting, screening, shredding, baling, crushing or compaction. The purpose of the activities are primarily to allow waste to be recovered, though some may go for disposal (up to 50 tonnes per day).

4.4.2 The majority of treatment activities will take place within the WTS building. However the applicant will also undertake some treatment of inert construction and demolition wastes in the external yard

area. This area will benefit from impermeable surfacing and an engineered drainage system (see

Section 5).

4.4.3 The site will have a treatment capacity of 1,200 tonnes per day.

4.4.4 There will be no treatment of asbestos wastes.

4.4.5 Recycled materials will be transferred to specific stockpiles or storage areas pending off-site transfer.

4.5 Off-site Transfer of Recyclate

4.5.1 Recyclate will be stored as appropriate for the waste type. It will be transferred off-site to appropriately authorised facilities for recovery (wherever possible) or disposal (up to 50 tonnes per day).

4.5.2 Recycled materials will be despatched by road, accompanied by the required paperwork.

5.0 Site Drainage

5.1 Proposed Drainage Arrangements

5.1.1 The proposed drainage system has been designed in order to ensure that surface water generated

at the site is managed appropriately and effectively.

5.1.2 The proposed arrangements are shown on Drawing Number SW01 entitled 'Proposed Drainage Layout' which is provided with this report and further information relating to the drainage arrangements is provided in Appendix C of this report.

5.1.3 All areas on which the storage or treatment of waste will be undertaken will benefit from impermeable surfacing, with engineered drainage. The site benefits from an existing discharge consent which will be utilised and the site will adhere to the specified water quality and quantum control limits within this consent.

6.0 Emissions Control

6.1 Point Source Emissions to Air

6.1.1 There will be no point source emissions to air from the proposed operations.

6.2 Point Source Emissions to Surface Water and Sewer

6.2.1 There will be no contaminated surface water run-off from the proposed operations.

6.2.2 More detail on the proposed drainage arrangements is provided in Section 5.

6.3 Point Source Emissions to Groundwater

6.3.1 There will be no point source emissions to groundwater as a result of this application.

6.4 Fugitive Emissions to Air

6.4.1 An Environmental Risk Assessment has been undertaken in accordance with Environment Agency guidance, this is provided with the application as a separate document.

Odour

6.4.2 It is considered that some of the waste types accepted at the site (e.g. Refuse derived fuel RDF, black bag waste, green waste) may have the potential to give rise to odour emissions.

6.4.3 The following odour management measures will be implemented:

- Ensure all loaded vehicles containing potentially odorous wastes are covered or enclosed on arrival or departure of the site;
- Ensure all wastes are stored on an impermeable surface with a sealed drainage system to reduce odour.
- Ensure that a rotation system is in place to ensure that the oldest and most odorous waste is removed from site first.
- Ensure wastes are monitored/ inspected to reduce the chance of odour from contamination by food waste and biodegradables.
- Ensure no waste is transferred from vehicles until within the waste reception building;
- Minimise the time odorous waste is kept on site, ensuring a quick turn-around;
- Generate as little odorous chemicals as possible, e.g. minimise temperatures or maintaining aerobic conditions;
- Avoid direct sunlight onto potentially odorous waste streams;
- Reduce airflow over the surface of odorous waste thereby cutting the rate of evaporation;
- Reduce the surface area of odorous waste, thereby cutting the rate of evaporation;
- Ensure adequate containment if screening odorous waste;
- Keep doors and window of the Waste Reception building closed where possible;
- Pedestrian doors will be self-closing;

- Ensure staff awareness of odour risk and the response procedures; and
- Create a complaint procedure.

Dust

6.4.4 Fugitive dust emissions are considered to be a potential risk arising from the proposed activity.

6.4.5 Dust suppression measures will be in place to minimise the risk of emissions, including:

- Sheeting of all loaded vehicles arriving and departing from the site;
- Minimise the amount of loose debris on the yard floor where vehicles traverse over;
- Stockpiles of materials in the yard area will be kept to designated areas to minimise vehicles traversing in proximity to the base;
- Speed limit of 10mph for on-site vehicles;
- Minimisation of discharge loading heights;
- Avoid double handling of materials;
- Minimisation of waste stockpile heights in the yard area;
- In the event of abnormal emissions of dust, cease operations;
- Use of water to dampen stockpiled wastes and internal haul roads, if necessary;
- Treatment of waste will only be undertaken in the designated area;
- Routine house-keeping and maintenance; and
- A road sweeper may be used if required.

6.4.6 The Site Manager/Supervisor will monitor dust levels at the site and on the access road and implement appropriate remedial action in the unlikely event that dust emissions exceed acceptable levels.

7.0 Site Management

7.1 Technical Competence

7.1.1 The facility will be managed by a Site Manager/Supervisor who holds a valid and relevant Certificate of Technical Competence (see Appendix A).

7.1.2 All site staff will be trained in the site operating procedures, including acceptance, storage, treatment and emergency procedures, and records of all training provided will be maintained for a suitable time period.

7.2 Management System

7.2.1 Britaniacrest Recycling Ltd has an Environmental Management System (EMS) which is compliant with ISO 14001, 9001 and 18001. The EMS is audited annually by an external UKAS accredited certification body.

7.2.2 The EMS identifies and minimises the risk of pollution from the activities associated with the operation, particularly operations, maintenance, accidents, incidents and non-conformance. A summary of the EMS is included in Appendix B.

7.3 Emergency Procedures

7.3.1 Emergencies shall be dealt with in accordance with the relevant company policies and procedures as stipulated in the company EMS.

7.3.2 A notice board at the site entrance will provide the name, address and telephone number for the operator, including out of hours and emergency contact details. Details of local Accident and Emergency services will be kept and displayed in the site office.

7.3.3 The work force will include fully trained first-aiders and fire wardens. There will be designated and clearly signed emergency assembly points on the site.

7.3.4 Spill kits will be available at the site.

8.0 Records

8.1.1 A record of all waste delivered to the site and recycle /unrecoverable materials leaving the site will be maintained (including transfer notes and weighbridge tickets) will be kept on site for a minimum of 5 years. The site records will be maintained in the site office and will be available for inspection if required.

8.1.2 A Site Diary will be kept in the site office and updated on a daily basis. This diary will be used to record all incidents on site involving accidents, spillages, vandalism, complaints etc. This will provide an ongoing record and allow for investigative and corrective action to take place in line with the requirements of the company's EMS.

8.1.3 The Site Diary will include the following:

- The name of the Certificate of Technical Competence holder attending the site on any particular date;
- Details of all visitors, including status and times of arrival and departure;
- Details of maintenance, modification, repair, replacement, delivery and return, and breakdown of any plant and machinery in line with the principles of planned preventative maintenance;
- Weather conditions;
- Non-conforming wastes and actions taken; and
- Damage to vehicles, fences, gates, etc and incidents of trespass.

8.1.4 A copy of the Environmental Permit will be kept in a convenient location in the site office, allowing suitable access for all persons working on or visiting the site.

8.1.5 Copies of the Operating Procedures will be kept in the site office.

9.0 Energy and Resources

9.1 Energy Use

9.1.1 The energy requirements of the facility in general will be low. Basic energy saving measures will be adopted and continually reviewed. This includes measures such as:

- Switching off the lights outside of operating hours, except for security lighting;
- Efficient use of plant and machinery to avoid unnecessary ignition;
- Plant and machinery to be switched off when not in use; and
- Regular maintenance of all plant and machinery to ensure optimum efficiency.

9.2 Resource Use

9.2.1 The proposed activities will require low amounts of resources. If products are required for the treatment process, the amount stipulated in the manufacturers guide will be used.

9.2.2 Water may be used at the site during dry conditions to control the generation of dust. The water will be used only when necessary, and the minimum amount will be used.

10.0 Monitoring

10.1 Emissions Monitoring

10.1.1 It is not envisaged that there will be a requirement for any environmental monitoring at the facility.

10.2 Environmental Monitoring (beyond site boundary)

10.2.1 There will be no requirement for environmental monitoring beyond the boundary of the facility.

