

3 Non-Technical Summary – Revised (see notes below)

Application to Vary Existing Permit to include:

1. Increased tonnage capacity
2. Wider range of treatments
3. More comprehensive 'waste' service provision

Permit Number: **EPR/DB3701SN**
(Previously **EPR/JP3693ZA**)

Applicant:
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Sinkfall Farm
Rakesmoor Lane
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Revisions to this document:

19/07/24

This Non-Technical Summary has been simplified to make it more accessible. At the same time, the proposals for the waste management facility have been simplified and the extent of the site has been reduced. The requirement for the Permit to include storage of manure has been removed.

To provide clarity, the description of activities to be undertaken are now labelled with the prefix 'AR' meaning Activity Reference. This referencing follows through into the Permit Application Forms and associated Documents.

23/08/24

This Non-Technical Summary now includes a description of how and where 'Asbestos' is to be stored. [Refer Section 5. On page 7].

Associated Documents

Technical information, previously provided in this document has been moved to other associated documents, including the 'Summary of Variations', the 'Working Plan' and the 'Lists of Wastes'.

SYNOPSIS

This permitted site has been operating since November 2005 (EAWML 57562 and EPR/JP3693ZA) as a bespoke Waste Transfer and Treatment facility. It was updated (2015 and 2018) to enable increased tonnage throughput additional waste treatment processes including waste wood and paper crumble treatment and drying, and road sweepings processing.

The facility now is required to cater for much of the needs of the people and businesses of South Lakeland, and is the service provider of recycling services to the S. Lakes region. The facility achieves very high recycling efficiency and employs a highly skilled team for securing beneficial placement of recyclate into the market.

In recent years the closure of a number of local waste management facilities in the area has posed the issue of a shortfall in waste-management services; to the extent that local industry, commerce and the local authorities are looking to Sinkfall to fill the gaps and ensure comprehensive waste management services are available in the short, medium and longer term to maintain local productivity and its future economy.

This application for Permit Variation addresses these needs and seeks to ensure the capacity, type and technological range of waste recycling services is available to maintain the region's sustainability.

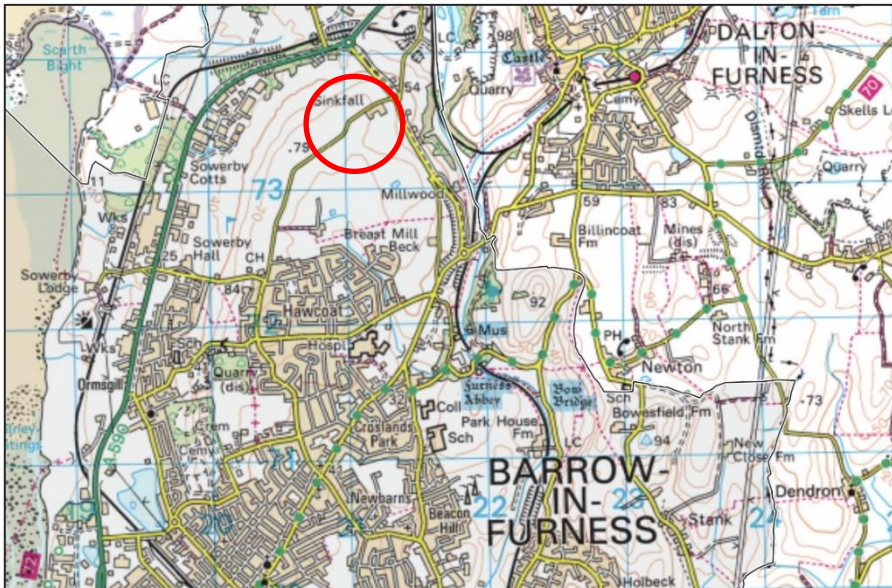
1.0 INTRODUCTION

1.1 Location

This document contains supporting information which accompanies the **EPR/DB3701SN** Environmental Permit 'variation' application being submitted by Brian Armistead Limited for the proposed operation of the 'Waste Transfer and Treatment' Facility at **Sinkfall Farm, Rakesmoor Lane, Barrow-in-Furness, Cumbria LA14 4QE.**

The site is located at OS Grid Ref: SD2118,7358, as shown in Figure 1

Figure 1: Location Map: Sinkfall Farm, Rakesmoor Lane, Barrow-in-Furness.



1.2 Context and Current Permit

This application has been completed on behalf of **Brian Armistead Limited** by Recogen Ltd. an experienced and skilled Environmental Consultancy.

This site has been operating since November 2005 as a bespoke Waste Transfer and Treatment facility designed to facilitate the recycling of household waste, compost, soils and aggregates.

At various times, in order to serve local commercial enterprises and industry, the facility has been upgraded to accept other types of waste materials including road sweepings processing, and waste wood and paper drying to make animal bedding.

Since building an excellent track record for services supply to the South Lakes District Council (Local Authority) and major industrial clients in the area; the company has invested strongly in the facilities at Sinkfall and while other waste management sites are closing down, the local community look to Sinkfall as the leading supplier of waste recycling and environmental services in the area.

Recent investment in new large scale buildings, new types of processing equipment, new technologies and a larger workforce employing experienced waste recycling managers, operatives and marketers means that Sinkfall is a significant contributor to environmental sustainability.

Recent closure of other waste management facilities now means that Sinkfall Recycling is now called upon to vary and extend its service offering in order to provide these additional services.

2.0 SUMMARY OF VARIATIONS

The following provides a summary of the proposed variations.

These descriptions are designed to provide information on the context, rational and methods to be utilised. These are in no particular order.

Table 1: Sinkfall Recycling -Variations to be implemented to enhance services provided.

ref	Item/Aspect	Context of Variation	Rationale
1.	Permit Boundary	To be updated and extended per new site plan.	To simplify and clarify the line of the eastern and southern perimeters.
2.	Capacity (annual total capacity and daily 'storage' capacities)	The annual capacity (schedule 2) is 74,999 t/ year; and some specific processes such as soils and aggregates take up much of this and with demand for more the proposal is to increase the site capacity to 120,000t per year capability. Extensive capital has been invested to enable this.	The site processes significant quantities of high density soil and aggregates, which uses considerable tonnage of the capacity. The specific capacities for e.g. 'waste storage', 'metals recycling' and waste transfer are prohibitively low. The site now has new buildings to develop the waste transfer and apply treatment options.
3.	Waste types Added normal waste codes, Some common hazardous wastes, and asbestos	Due to the closure of local waste sites, and lack of services in the area, Sinkfall is now required to accommodate a wider range of waste types , though low in volume, that are important and include clinical waste and materials that are classed as hazardous wastes.	A number of 'general' (normal) waste codes need to be added to the list of wastes. This includes plasterboard. To provide the range of services required for municipal, commercial and industrial waste, some common recyclable hazardous waste type codes (e.g. batteries, paints, oils etc.) are required, and this shall also include a nominal quantity of asbestos (for appropriate disposal).
4.	Treatments	Due to the lack of services in the area and new requirements for waste processing, Sinkfall is now proposing to implement new treatment processes in order to maximise recovery, recycling and 'up-cycling' rates. EA have advised that including Shredding and Waste compaction within the Permit would be useful.	New controls having regard to specific component materials within everyday items such as furniture, white-goods, power tools and other equipment, place requirements on how the waste must be handled in preparation for recycling or disposal. Techniques may entail dismantling, dis-assembling segregating and sorting both manually or my machines; and other reduction, sorting and compaction processes such as shredding granulating, compaction and baling.
5.	Food Waste Recycling	Required to meet the needs of the Local Community; this proposes a small scale, secure containerised 'Storage and Transfer facility.	Government initiatives require that communities look to recycle food waste, but the area does not have composting or anaerobic digestion capability.
6.	Clinical Waste	Required to meet the needs of the Local Community; due to the pending closure of current service supplier.	To add this to the Permit, with immediate effect or provide a position statement to cover the interim requirement.
7.	Soils and Aggregates	EA have advised that including aggregates crushing and associated activities, would be preferable to continuing on a 'mobile plant' basis.	To add this to the Permit, with immediate effect or provide a position statement to cover the interim requirement.

3.0 SITE LAYOUT AND ARRANGEMENT OF ACTIVITIES

The following at Figure 2. provides the layout of the site.

The main entrance and exit is at the north-east corner via the weighbridge. This provides security and maximum supervision and management of the vehicles and material arriving at the site.

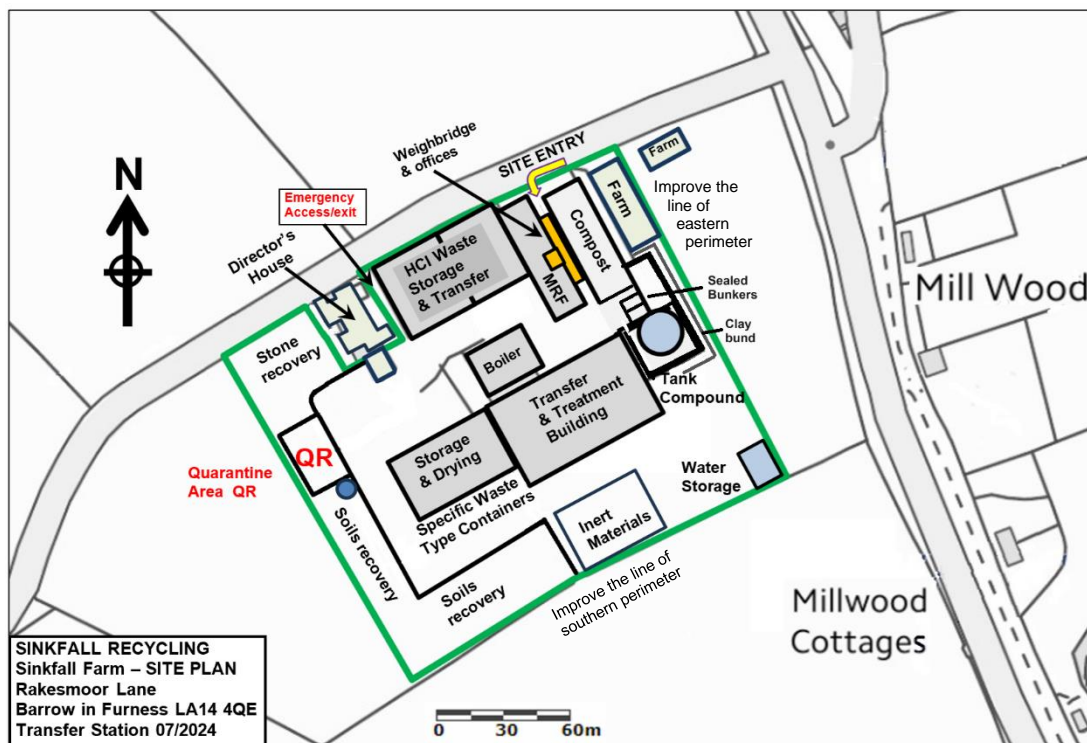
There are only minor changes to the overall layout, however, there has been significant improvement in the infrastructure, with the clearing of old defunct buildings, and the installation of a new large building at the centre. This scheme includes the removal of the old water storage tank, and the construction of a new concrete compound, built to current construction designs and standards for containment.

The site layout provides for the reception of materials via the weighbridge and the offloading directly to the area where they will either be stored, or sorted and the various fractions recovered.

The work areas form an enclosure around the central yard. Access to the new Transfer Building is directly opposite the weighbridge. Drainage is towards the east, downhill overground and via a sealed drainage system, and containment within the new purpose built storage compound.

The soils and aggregates, that are stored externally, are around the western and southern edges of the site, so that the materials don't impact the traffic flow within the site. These external areas are formed on compacted clay, with rammed consolidated hardcore bases; and there is a perimeter drainage system to ensure water from these external yards is harvested and channelled to a water storage lagoon, for re-use for dust suppression or for other contingency uses.

Figure 2: Site Plan: Sinkfall Recycling 2024.



4.0 SUMMARY – SITE OPERATIONS and ENVIRONMENTAL ASPECTS

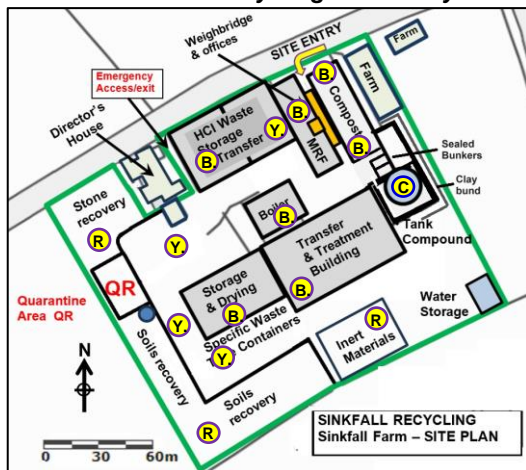
The following provides a summary of how the site will continue to operate keeping environmental protection as its priority.

Table 2: Sinkfall Recycling -Summary of Activities to be Undertaken at Sinkfall Recycling.

1.	HCI # Kerbside Recyclables	Receive, check, treat by sorting, segregation, Compact/bale/bulk up, store and despatch	MRF and Baler Shed. Glass in covered bunker
2.	HCI Kerbside Mixed	Receive, check, treat by sorting, segregation, recovery Compact/bale/bulk up recyclables, store and despatch Includes shredding, mixing etc.	Transfer and treatment Building. Baled if appropriate
3.	Green Waste	Composting Reception, Preparation & Process	Received to northern transfer yard. Composted in building
4.	HCI Mixed waste	Receive, check, treat by sorting, segregation, Recover, store and despatch	Transfer and treatment Building
5.	Mixed Metals	Receive, check, sort, segregation, and recover. Minimum storage despatch off site without treatment.	Metals Recovery Bunker
6.	Sludge as Drilling Muds	Receive, check, treat by sorting, segregation, Separation, store and despatch	Sludge Bunkers and Liquid storage tank
7.	Aggregates Recovery from Road sweepings	Receive, check, treat by sorting, segregation, separation. Recover Grit, soils, and effluent.	Sludge Bunkers and Liquid storage tank
8.	Soils and Aggregates	Store and Treat by Occasional crushing screening and mixing etc. as currently done. Segregate and store stone/aggregates and soils.	External areas, as site plan. Water drainage stored for re-use as dust suppression.
9.	HCI WEES including Refrigeration Equipment	Receive, check, sorting, segregation, Third party mobile specialist de-gassing. Recover components, recycle.	Transfer and treatment Building. Limited storage.
10.	HCI Wood and paper/card	Reclamation, sorting & treatment including drying in containers or on vented floor to make animal bedding.	Drying containers or vented floor 'Drier bldg.'
11.	Wood	Reclamation, sorting & treatment inc. drying. Storage in Timber shed. Drying in containers or on vented floor	Drying containers or vented floor 'Drier bldg.'
12.	Waste Wood	Reclamation, sorting & treatment inc. drying. Storage in Timber shed. Drying in containers or on vented floor	Drying on vented floor 'Drier bldg.' then Boiler
13.	Clinical Waste	Receive, check, store and despatch	In Euro bins within locked 'shipping' type container
14.	HCI Hazardous Waste (includes oil, paints etc).	Receive, check, store and despatch. Materials categorised not mixed. Limited quantities then removed by specialist approved hazardous waste contractor.	In Euro bins within locked container or self-banded oil-tank
15.	HCI Hazardous Waste Asbestos	Receive, check, store and despatch by specialist approved hazardous waste contractor.	Within locked sealed enclosed container
16.	Household food waste. (aka Catering Waste)	Receive, check, store and despatch For despatch to AD / IVC facility via specialist carrier.	Euro bins within sealed lidded 'cool' container
17.	Industrial/Commercial food waste (Category 3 Waste)	Receive, check, store and despatch Cat. 3 (food waste) For despatch to AD / IVC facility, via specialist carrier.	Euro bins within sealed lidded 'cool' container

HCI means Household, Commercial and Industrial

Table 3: Sinkfall Recycling -Summary of Activities - The type of enclosure and containment



B.	Buildings that have floors of impermeable concrete, with kerbing around the edges, and drain to sumps or gulleys that drain to the tank.
Y.	Open yard areas, that have containment, via kerbing or walling, and have impermeable concrete floors; and are drained either overground, or via drainage, to the east, to the storage tank/compound.
R.	Open areas, that have impermeable clay based containment, sloped and drained to the perimeter ditch/drain; and connected to the water storage lagoon in the eastern corner.
C.	Tank Compound; constructed to required specifications, with thick reinforced concrete flooring and walling, lined with heavy duty PVC water-proof membrane and overlaid onto impermeable clay base.
QR.	Quarantine Area; constructed to required specifications, with thick reinforced concrete flooring and low concrete walling, lined with heavy duty PVC water-proof membrane and overlaid onto impermeable clay base. Drains to own tank.

5.0 THE STORAGE OF ASBESTOS

5.1 Method for Asbestos Management and Storage

Asbestos is a specific instance of Hazardous Waste that entails a high degree of vigilance, safety and security for its handling and storage.

The limitations of storage are well understood and officers at the site have the appropriate training and 'Hazardous Waste' qualification.

Asbestos shall be pre-wrapped, and double wrapped within sealed bags. A trained operative shall place the bagged material into the storage container. The asbestos material shall not be stored with any other material.

The container shall be of steel construction, weatherproof, sealed and lockable.

The risks for this have been assessed within the Environmental Risk Assessment.

The site Environmental Risk assessment contains this information [page 7 Para 3.9 row g]:

g	Asbestos	Shall be pre-wrapped, bagged and contained; and stored in dedicated sealed lockable container
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5.2 Location for Asbestos Storage

The Site Layout Plan has been updated to show the location of the Locked Sealed container for Asbestos Storage. Refer to Figure 3 below. The location is given by a red circle number 12a.

Figure 3 The Site Layout Plan showing the location of the Asbestos Container (red circled 12a).

