

INTRODUCTION

Starling Environmental Limited (SEL) has been commissioned by Hurt Plant Hire Limited (the operator) to prepare an environmental permit variation application for the waste transfer station located at Sandham House, off Redrose Drive, Leyland, Lancashire, PR26 6TJ. The site is regulated under environmental permit EPR/NB3094EE.

The site currently operates under Standard Rules permit SR2009 No 6 'inert and excavation waste transfer station with treatment'. This standard rules set is being withdrawn and the replacement standard rules on offer do not meet the existing requirements. To continue treatment under a standard rules permit would require a reduction in throughput from the current allowance of 250,000 tonnes per annum to 75,000 tonnes, which would not serve the business needs. Therefore, the operator wishes to vary the permit to a bespoke permit to enable continuation of operations.

Changes to the permit include:

- Retention of the 250,000 tonnes per year annual throughput
- Addition of waste codes for storage and bulking
- Addition of dewatering of street sweepings (EWC 20 03 03) in an enclosed container

Site Details and Surrounding Area

The site is located off Redrose Drive within an industrial area of Leyland. The national grid reference for the site is SD 54041 24071. The site is located approximately 1.4 km north of the centre of the town of Leyland and some 5 km to the south of Preston, Lancashire. The site is situated within an industrial estate (Enterprise Business Park) and is surrounded by industrial land use, including:

- Leyland Trucks to the north and east
- Warehousing to the south
- Lancashire County Council waste transfer station to the west

Layout

The site area is approximately 17,000 m² and is securely fenced with palisade fencing approximately 2 m high. The entrance is via lockable gates off Red Rose Drive. Site features include a large office building (Sandham House), car parking, weighbridge, workshop, waste processing building, wheel wash and a large yard area. Crushing and screening operations are carried out in the waste processing building and processed material is stored in the aggregate storage yard.

Areas of the site will be used for concrete batching and asphalt production. These activities will take place within the environmental permit boundary but they will not be regulated by the environmental permit. These activities require a local authority Part B permit and will be regulated by South Ribble Borough Council.

PROPOSED CHANGES

Annual Throughput

It is proposed to retain the current annual throughput allowance of 250,000 tonnes per annum.

Additional Waste Types

It is proposed to extend the list of waste codes for aggregate processing to match those included under the WRAP quality protocol document 'Aggregates from inert waste: End of waste criteria for the production of aggregates from inert waste'. This will enable a wider range of materials to be recycled into aggregates if they arise in the market place. Proposed additional waste types are:

Waste Code	Description
17 05 06	Dredging spoil
17 09 04	mixed construction and demolition waste other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19 12 05	Glass
19 12 09	Minerals (for example sand and stones)
20 21 02	Glass

Storage and Bulking of Wood

It is proposed to carry out storage and bulking up of waste wood. This will allow any tree roots in excavation waste or wood in demolition waste to be segregated and stored on site. It is not proposed to treat the wood, only store in 40 yd³ containers before removal from site when full to a third party recycler. The proposed waste codes are:

Waste Code	Description
02 01 07	Waste from forestry
17 02 01	Wood from construction and demolition
20 02 01	Biodegradable waste from parks and gardens

Although whole loads of these waste types would not be accepted, the inclusion on the permit will allow the wood to be segregated and stored under these codes before dispatch. There is currently no allowance for such accumulation and storage and any wood must be removed immediately from site. This is not effective for the business, nor is it a sustainable method of working as it involves numerous vehicle movements for small amounts of wood.

Temporary Overnight Storage for HWRC Collections

Hurt Plant Hire operates as part of the Fox Group of Companies. Part of the remit of the Fox Group is to provide waste haulage services for Lancashire County Council. This involves collection of containers of segregated waste streams from Household Waste Recycling Centres (HWRC) and transport to permitted sites for disposal or recovery.

Occasionally, the loads cannot be deposited at the permitted site before it closes for the day, due to traffic problems or early closures, and the load cannot be returned to its point of collection. Its not acceptable to park the vehicle on the public highway so on these occasions the operator would like to be able to park the vehicle securely within the site. The container would not be uncovered or removed from the vehicle, it will remain enclosed on the vehicle overnight and will continue to its original destination the following working day.

Any of the transported waste codes may require temporary storage. The applicable waste codes are listed below.

HWRC Waste Stream	EWC	EWC Description
Paper	20 01 01	Paper and cardboard
Mixed paper and cardboard		
Cardboard		
Scrap metal (ferrous)	20 01 40	Metals
Cans/plastic bottles	20 01 40	Metals
Garden green waste	20 02 01	Biodegradable waste
Non-recyclable residual	20 03 01	Mixed municipal waste
Comingled cans, plastic bottles, glass bottles and cans	20 03 01	Mixed municipal waste
Glass bottles mixed	20 01 02	Glass
Hard plastic	20 01 39	Plastics
Inert waste	17 09 04	Mixed construction and demolition waste
Mattresses	20 03 07	Bulky waste
Non-recyclable	20 03 01	Mixed municipal waste
Paper/cardboard	20 01 01	Paper and cardboard
Paper		
Cardboard		
POPs	20 03 07	Bulky waste
	20 03 01	Mixed municipal waste

Addition of Street Sweeping Dewatering Activity

Hurt Plant Hire and the Fox Group of companies operate street sweepers as part of their wider business. It is proposed to site a dewatering container on site to enable physical treatment of the sweeper waste. The dewatering kit is housed within a Ro-Ro container and includes self contained filtration and compaction functions. The filtration unit separates solids from liquids so that the liquid can be discharged to sewer. The solids are compacted within the unit and when full the container will be mounted onto a vehicle and taken to a disposal site to tip, then returned to site.

It is proposed that to add the EWC 20 03 03 street cleaning residues for this physical treatment activity. A trade effluent discharge application is under preparation to enable discharge of the liquid waste to sewer.

It is proposed that no more than 50 tonnes per day of this waste stream will be treated for disposal. The typical capacity of the unit is 15 m³ so the operating capacity will be well below the 50 tonne threshold applicable for treatment for disposal as a waste operation.

The liquid effluent will be piped to foul sewer as shown on the site layout plan. The discharge will not be allowed to run across the surface of the yard. The container will be sited in the western yard which is concrete surfaced and drains to an interceptor. A shut off valve will be fitted to the interceptor to stop water from discharging from the interceptor in case of a major spillage.

Supporting Documents

The following documents have been submitted with the application:

Environmental Risk Assessment – identifies receptors and assesses the risks from the proposed changes and proposes mitigation to reduce risks where required. Report No 103/1.

Emissions Management Plan (Dust) – this is a standard requirement for this activity as the site is within 500 m of a sensitive receptor. Report No 103/2.

Fire prevention Plan – the addition of storage and bulking of waste wood will result in stockpiles of combustible waste, therefore a fire prevention plan has been prepared to address this risk. Report No 103/3

Revised Environmental Management System – including additional controls identified through the risk assessment. Also updated to include a climate change risk assessment. Version 3, September 2023.

Sewer Discharge Monitoring Plan – to explain how monitoring of the discharge will be carried out and which parameters will be tested.