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**Environmental Permit Application - September 2022**  
**Sandons Farm Waste Recycling Facility: Non-Technical Summary**

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## **Introduction**

The Arley Consulting Company Ltd (TACCL) has been commissioned by Chorley Sand and Aggregates Limited to submit a variation application for Sandons Farm Recycling Facility, Adlington, Chorley, Lancashire. The environmental permit referenced number is EPR/EB3806TM.

Sandons Farm Quarry is an existing sand quarry located approximately 1 km west of the small town of Adlington in Chorley, Lancashire. The recycling facility ('the facility'), sited within the permit boundary of Sandons Farm Inert Landfill Site ('the site'), currently operates in accordance with Standard Rules 2010 No 12. Operations include crushing and washing of construction, demolition and excavation waste to produce soil, soil substitutes and aggregate products.

Products are manufactured according to a Quality Protocol and tested in accordance with end of waste requirements as per the WRAP quality protocol<sup>1</sup>

Washing has been carried out on site under the Standard Rules permit since around 2015. Environment Agency officers have informed the operator that a bespoke permit will be required to continue the operation.

## **Site Details**

Sandons Farm Quarry is located approximately 1 km west of Adlington and approximately 4 km to the south-east of Chorley town centre, Lancashire. The larger landfill site is generally square in shape and lies between woodland and open fields to the south-west, west and north-west, bound by a curve of the Leeds Liverpool Canal to the north, and by the western reaches of Adlington to the east. Farmland lies beyond the canal to the north and north-east towards the A6 Westhoughton Road.

The aggregate recycling facility is situated in the south-western corner of the site. The approximate National Grid Reference for the centre of the facility is SD 5919 1328. Surrounding land uses of the facility include the following:

- Sandons Farm inert landfill site adjacent to the east
- Western reaches of Adlington town further east
- Woodland and agricultural land to the west and north
- Leeds & Liverpool Canal and agricultural land to the north-east (bounding the landfill)
- Castle House Farm Landfill Site (restored sand pit) to the south

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<sup>1</sup> Wrap Quality Protocol: End of Waste Criteria from the production of Aggregates from Inert waste. October 2013

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## Proposed Changes

### Changes to Permitted Waste Types

Planning permission for the site restricts material for treatment to construction, demolition and excavation waste only. The standard rules permit allows for an extensive list of waste, the majority of which are not accepted, therefore they can be removed for the bespoke permit. The waste codes to be retained are listed in Table 1 below.

<b>Waste Code</b>	<b>Description</b>
<b>17 01</b>	<b>Concrete bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 02	Glass - not including fibreglass or glass fibre
<b>17 03</b>	<b>Bituminous mixtures, coal tars and tarred products</b>
17 03 02	Road base and road planings other than those containing coal tar or freshly mixed bituminous substances
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites) stones and dredging spoil</b>
17 05 04	Soil and stones
17 05 06	Dredging spoil (not containing contaminated dredgings or fines)
17 05 08	Track ballast, soil and stones other than those containing dangerous substances

**Table 1: Current Permitted Waste Codes to be Retained**

The operator proposes to include EWC 17 09 04 mixed construction and demolition waste, limited to that generated from utilities trenching, consisting of sub base aggregates, and containing only material that would be described as 17 01 01, 17 03 02 and 17 05 04. This material is permitted for aggregate production under the WRAP protocol.

<b>Waste Code</b>	<b>Description</b>
17 09 04	mixed construction and demolition waste, limited to that generated from utilities trenching, consisting of sub-base aggregates, and containing only material that would be described as 17 01 01, 17 03 02 and 17 05 04.

**Table 2: Proposed Additional Waste Code**

This waste code will not present any additional risks as its constituent parts are already permitted for acceptance. Treatment of this waste code will be as per current waste codes: either by crushing to produce 6F2 or washing and screening to produce sand and stone products.

Waste acceptance procedures currently in place for the site will be applied to the proposed waste code, the overriding principle of which is that only uncontaminated material will be accepted for processing.

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Increase in Throughput

It is proposed to increase the maximum throughput to 200,000 tonnes per year. The wash plant is capable of processing a maximum of 250 tn per hour and by lifting the maximum throughput this will allow more flexibility for business development in the future. The total storage capacity will be 50,000 tonnes.

Changes to the Site Boundary

It is proposed to increase the site boundary to allow more room for material storage. The current permitted area is 13,662 m<sup>2</sup> and the proposed area will be 19,324 m<sup>2</sup>, an increase of 5,662 m<sup>2</sup>. The proposed permit boundary is shown on Drawing No 11561/14D. A Site Condition Report (Report No 11561/32) has been produced to incorporate the change.

Continuation of Washing

Although washing has been carried out on site under the current permit for a number of years under the provision for screening, it is to be specified in the bespoke permit and has been considered in the risk assessment.

**Risk Assessment**

The environmental risks of the proposed changes have been assessed in report No 11561/18. Where required, mitigation and control measures have been identified to reduce the risks to an acceptably low level. In summary:

- The risk of mud to local roads will be controlled by use of a wheelwash and a road sweeper.
- Dust control measures will be implemented via an Emissions Management Plan (Report No 11561/31). Potential emissions will be controlled by minimising generation eg. speed restrictions, low drop heights; containment eg. perimeter bund; and suppression eg. use of water bowser to dampen surfaces.
- Noise arising from the proposed changes will not result in a significant impact to sensitive receptors due to the isolated setting of the facility, and the implementation of control measures including daytime only operation and regular maintenance of plant and equipment. Further mitigation is provided by the screening to the north and west of site activities.
- Risks from surface water run-off will be minimised by siting the wash plant on an impermeable surface, which is laid to a fall to collect spills and drips in a sump. The wash plant is a fully contained, closed loop system and does not produce effluent for discharge.
- Risks from accepting contaminated material are controlled through the waste acceptance procedures to prevent the importation of contaminated waste.
- Risks to prevent accidents are controlled through implementation of the EMS, including the leaks and spills procedure and the accident management plan.

## **Monitoring**

Monitoring of washwater and filtercake for contaminants has been carried out. It is proposed to continue to sample the washwater and filtercake to build up a data set for further review. This will aim to:

- Characterise the washwater and filtercake
- Build up a picture of variation
- Establish if contaminants are becoming concentrated

A monitoring plan has been included in the EMS which outlines the proposed monitoring schedule. This will be reviewed and revised after 6 months as data has been obtained.