

Appendix 13 – Non-Technical Summary

SITE DETAILS	
Name of the applicant	Morris Recycling Limited
Activity address	Unit 34 Coneygree Road, Coneygre Industrial Estate, Tipton, DY4 8XP
National grid reference	SO 95764 90998

1. Introduction

This application is for a bespoke environmental permit under the Environmental Permitting Regulations (England and Wales) 2010 for activities that will be carried out by Morris Recycling Limited¹, at their UPVC and PVC plastic recycling facility, at Unit 34 Coneygree Road, Coneygre Industrial Estate, Tipton, DY4 8XP.

The facility is currently operational and operating under waste exemptions WEX273152 and WEX363011. The site is applying for an environmental permit as the site would like to operate a hammermill on uPVC window frames which is a shredding treatment activity of mixed window frame waste not covered by an exemption and the Environment Agency is reforming exemptions meaning that the site will not be able to continue operating without an environmental permit in future years.

The core activity of the site is the receipt, storage and treatment of plastic recyclables for the production of plastic granulate and pellet. The site receives PVC and uPVC plastics for recycling, with examples being profile scrap, off cuts, post-consumer window frames, bar lengths and head waste from the production of PVC and uPVC.

2. Company Background

Morris Recycling Limited² has been trading since November 2012. Morris Recycling began in a 3,000 sq ft unit in West Bromwich and has grown to a 12,500 sq ft unit, on an acre site in Tipton, which is the site of this application.

Managing Director, Andy Morris, has worked hard to build a team that promotes the values of professionalism, honesty and efficiency and have grown the business, as well as its range of services, to provide compounds, regrind and pellets.

3. Site

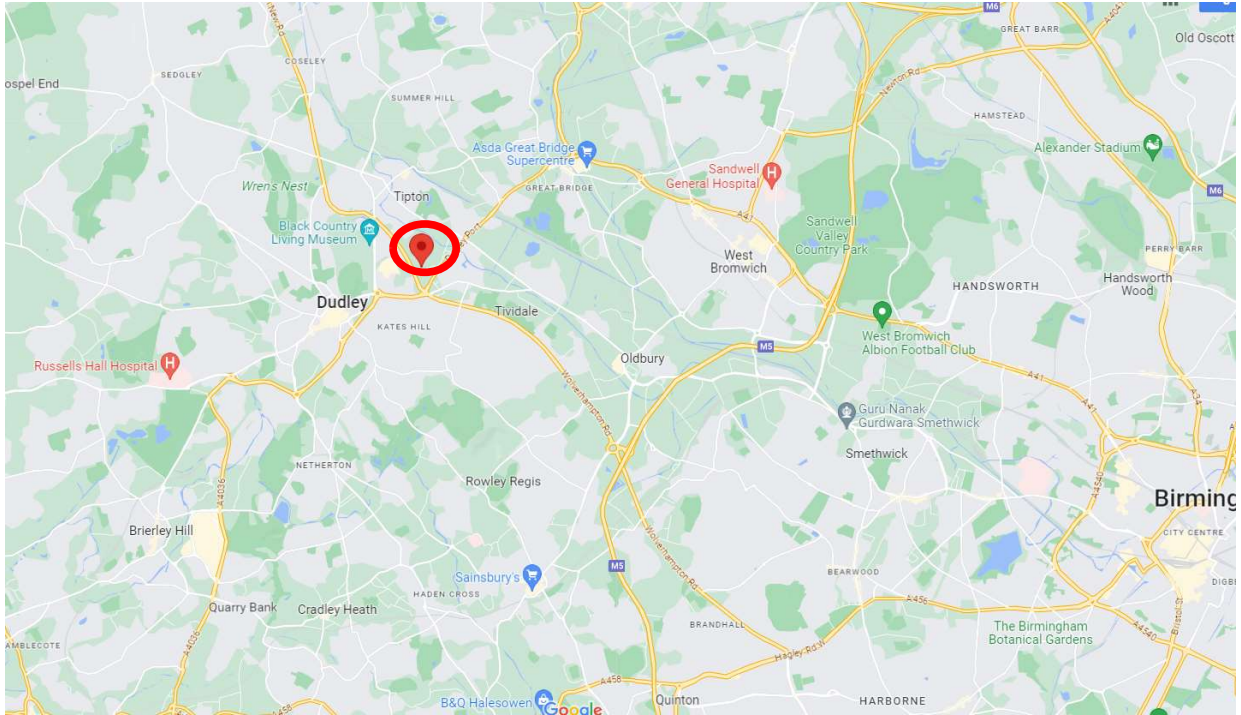
The site is located on an existing industrial area on Coneygre Industrial Estate, Tipton, DY4 8XP.

¹<https://morrisrecycling.co.uk/>

² Company House number 08311904

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The site is located with easy access to the dual carriageway A4123 New Birmingham Road, connecting to the A4036 Bypass and M5 road networks. It is a self-contained property with office space and rear and side yards. The external space includes designated staff parking spaces at the front and a secure fenced rear yard with gated access.



The activities performed on the site are:

- (a) over 400 metres from any watercourse;
- (b) over 2000 metres of a European Site or a SSSI.
- (c) over 1000 metres of any well, spring or borehole used for the supply of water for human consumption.

4. Operation

- The total quantity of waste applying to be accepted on the site is 50,000 tonnes per year.
- Plastic waste for reprocessing will predominately be received loose on skip or bulk carrier vehicles.
- The site receives two main streams of plastics:
 - uPVC
 - window frames – old window frames complete with handles, screws, glass, rubber etc.
 - profiles – clean single polymer
 - PVC – clean single polymer. Post industrial materials may require treatment but it is expected that most of the materials will be presented directly to the extrusion process.
- The site stores the inbound material in the external yard area with the assistance of mobile plant to move the waste around the site.
- The following treatment is performed on site:
 - uPVC window frames:
 - Hammermill in open fronted building to sort and separate the plastic, metal, rubber, glass and other contaminants on a window frame
 - uPVC and PVC plastics
 - Granulation in building
 - Colour sort/Hamos in building
 - Extruder in building
- The treatment operation produces plastic granulate and pellet for new PVC plastic products.
- The recycling facility is at the heart of a ‘closed-loop’ recycling process, which turns waste plastics into pellets for the onward supply to PVC manufacturers for the production of new products, keeping the plastic waste out of landfill sites and putting it back into perpetual use.
- Process block diagrams can be seen at Appendix 20 which shows the processes to be performed on site
- Receipt, storage and treatment of plastic including extrusion (see full list at Appendix 21 Proposed Schedule 1 Treatment Descriptions)

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- Plastic waste received will be visually checked and accepted upon delivery, unloaded from the vehicle and transferred into the enclosed dedicated yard area for storage.
- Material following treatment will be stored:
 - granulate and pellets (non-waste) – in building and external yard area
 - uPVC plastic in lengths – in external yard area
 - metal sorted waste not reprocessed on site – in container in external yard area
 - Out-throws from the sorting process - in container in external yard area
 - Lump and process waste – in the building or in container in external yard area
- Treatment of plastic waste will be performed on site. The Environmental Permit is being applied for the treatment of trommeling, sorting, separation, screening, baling, shredding, grinding, crushing or compaction, granulating, extruding, flake sorting, sieving and filtration of waste into different components for recovery.