# BESPOKE PERMIT APPLICATION

Humberside Blocks (2012) Ltd

Ellifoot Lane

Burstwick

Hull

HU12 9EF

## NON-TECHNICAL SUMMARY

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SJW Enviro Consulting Ltd

# CONTENTS:

## 1. Introduction

This document provides the non-technical summary for the environmental permit application by Humberside Blocks (2012) Ltd for its site at Ellifoot Lane, Burstwick, Hull, HU12 9EF.

The site comprises a large area primarily dedicated to the production of blocks for the building trade. Waste material brough to the site will be processed and used in the block making process.

In 2014 up to 9000 tonnes of material destined for the block making process was delivered to the site with the European Waste Classification of 19 04 04 . In reality the material was a mix of plastic, glass, rubber, metal and other material. The glass was in the form of PVB glass which is used primarily in car windscreens and is glass laminated between thin layers of plastic. This material did not meet the requirements of the waste management exemptions that the site benefitted from and consequently this permit application is now required to process this material to recover glass that can be incorporated into the block making process.

In addition to the processing of the material already on site this permit will legitimise the import, storage and treatment of other waste materials which can be used in the production of blocks.

## 2. Environmental setting

The site is located off Ellifoot Lane approximately 550 metres to the north of the village of Burstwick and 15.5 kilometres east of the city of Hull. The site entrance is located off an unpaved road off Ellifoot Lane served at OS map reference TA 22920 28701. The immediate surrounding areas are comprised of industrial units to the south and west, and a golf course to the north and east.

The site is located within a surface water nitrate vulnerable zone. There are no known SSSI's in the vicinity of the site. There are no wells, springs or boreholes within 50 metres of the site boundary used for the supply of water for human consumption. The nearest borehole is over 400 metres to the west of the site on the adjacent golf course. The assumption is that the borehole is used for irrigation

Two surface water drains run along boundary of the site. Burstwick Drain runs along the north western edge while East Carr Drains runs along the north eastern edge of the site and is fed from a pond on the adjacent golf course. There is also a small un-named drain to the west of the site which runs into Burstwick Drain.

The superficial geology underlying the site is a mixture of clay, silt, sand and gravel alluvium, Devensian Diamicton till and Devensian sand and gravel glaciofluvial deposits. The bedrock geology is the Flamborough chalk formation.

The area of the site used for the waste treatment plant is entirely surfaced with concrete and drains to an interceptor which in turn discharge to East Carr Drain.

## 3. Waste acceptance and processing

Pre-acceptance procedures are in place to ensure that only waste that may be accepted under the environmental permit is directed to the site. All waste delivered to the site will be checked by a suitably trained operative to ensure that only permitted waste is accepted. Any loads containing non-permitted waste will be rejected from the site.

There is no weighbridge on this site therefore no waste arriving at site is weighed.

The total maximum amount of waste accepted at the site will not exceed 10,000 tonnes per year. The throughput of the site will be limited to a maximum of 200 tonnes per day. The maximum amount of waste stored on site at any one time shall not exceed 10,000 tonnes initially. When the material already on site has been processed this limit will be reduced to 5,000 tonnes.

Initially the emphasis will be on the processing of the material already on site to win valuable material which can be incorporated into the block making process. The stockpiled material will be crushed and screened on the concrete pad. Plastic, rubber, scrap metal and other non-viable material will be removed and taken off site for recovery or disposal at suitably permitted sites. The remaining material, which will be predominantly glass will then be mixed with other raw materials and used to manufacture blocks for use in the construction industry.

While the in-situ material is being processed the permit will also allow the importation of other waste streams which can also be used in the manufacturing of blocks. These materials include ash, glass and sand, amongst other things, from a variety of industrial processes.

Waste that has been imported to the site and found to meet the acceptance criteria is stored on concrete pads within bays constructed of giant 'lego blocks'.

## 4. Environmental protection and control measures

All waste treatment will take place on an impermeable pavement with associated drainage system.

The site will be monitored by all staff with daily inspections by the technically competent manager.

The environment management system for the site includes a fire prevention plan to ensure compliance. Site staff will all be made familiar with the terms of this plan and what to do should issues arise.

All waste will be treated on a first in first treated basis to minimise storage times and prevent the build-up of waste on site.

There is a long access road from Ellifoot Lane to the site. This will help to significantly reduce any material being tracked off site by vehicles. Regular checks of the access road will be undertaken by site staff.

## 5. Maintenance

The risk of unplanned breakdowns is minimised through the implementation of preventative and active maintenance being carried out. All plant and equipment maintenance is scheduled so that regular repairs can take place. This helps to ensure that plant and equipment are functioning correctly, and potential faults are identified before they result in malfunction.

## 6. Environmental management system

Humberside Blocks (2012) Ltd have an appropriate environmental management system in place and will operate the site in accordance with the system. Humberside Blocks (2012) Ltd will have ultimate control over site operations, maintenance, staff competence and training, prevention of accidents, organisation, document management and records.

Regular reviews of the management system will be undertaken and changes made to working practices if necessary.