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NON TECHNICAL SUMMARY NOTE

Date: 20 March 2015

*(To support an application for a Bespoke Variation for Environmental Permit EAWML 37266
EPR/BP3797SZ)*

Site identifier: Thorncliffe Building Supplies Ltd

Address: Ewloe Barn Industrial Estate
Mold Road
Alltami, Flintshire

Applicant: Thorncliffe Building Supplies Ltd

Bespoke Variation to:-
increase permit boundary
increase annual waste tonnages and
allow additional treatment activities including production of Refuse Derived Fuel (RDF)

Summary of operations

1. Thorncliffe Building Supplies Ltd are applying to extend their present environmental permit EAWML 37206 to include an area of land recently purchased
2. The site referred to in this application is located off Mold Road within Ewloe Industrial Estate, Alltami at National Grid Reference [NGR] SJ 276 662 as shown on Drawing No. 2875/012/02. This shows the extended permit boundary.
3. The surrounding land use is a mix of light industrial and agricultural.
4. The waste types accepted at the site are predominantly solid, non-hazardous household, commercial and industrial wastes as defined in the Controlled Waste (England and Wales) Regulations 2010. The waste delivered to the site is collected from household, commercial and industrial premises for storage and processing on site.
5. The current permit also permits the acceptance of bonded asbestos for bulking up prior to export off site to a suitably authorised facility for disposal.
6. An application is being submitted by Thorncliffe Building Supplies Ltd to extend the current permit boundary of the site as shown in Drawing No. 2875/012/02. The bespoke variation application is for environmental permit *EPR/BP3797SZ*. The proposed layout of the site is detailed in Drawing 2875/012/03. It is proposed that the existing transfer building may be used to store materials associated with the applicants building supplies business once the new storage and processing buildings have been constructed.
7. The throughput of the site will be limited to a maximum of 750 tonnes per day. Further details are given in the EMS Section 1.5.
8. The proposed extension to the waste recycling facility will enable the activities on site to expand. Therefore a request is also being made to increase the annual waste throughput from <25,000 tonnes to <75,000 tonnes.

9. Changes in the waste industry have resulted in a variety of mechanical treatments being undertaken at waste recycling facilities. No longer is it economical for waste just to be hand picked at the majority of sites. Therefore to ensure the site at Ewloe is permitted to undertake a more extensive list of activities on site this application is requesting that mechanical treatment is added to the current operations allowed ie physical sorting or separation of waste into different components and compaction of waste. The proposed treatments requested include the following :-
- mechanical and/or manual sorting
 - separation
 - screening
 - crushing
 - compaction
 - shredding
 - baling
 - blending (soils and soil substitutes)
10. As a result of the changing market associated with the waste industry the applicant wishes to include the production of Refuse Derived Fuel (RDF) to be included as a permitted activity. This will involve initially shredding the waste and then in the future baling and wrapping the processed waste prior to transporting off site to be turned into heat and energy. Proposals to install further processing equipment as in the sister site in Abergele which include installing an air controlled separator, picking line and eddy current separator may be a further consideration depending on how the RDF market evolves.
11. A planning application has been submitted to Flintshire County Council to extend the existing waste management site into previously developed land to the east and to restored land to the south, to utilise the additional land to accommodate a new transfer building, secondary aggregate reception, crushing and screening operations and storage of the resultant products and to form a hardstanding on land to the south to be used to store empty skips thus releasing valuable operational space within the remainder of the site.