

Document reference: ECGE B4

**PROCESSING OF ANIMAL BY-PRODUCTS TO PRODUCE
TALLOW AND MEAT AND BONE MEAL BY HEATING AND
CENTRIFUGAL EXTRACTION**

EDGE CLOSE GREEN ENERGY LTD

**EDGE CLOSE FARM, MAIN ROAD,
FLAGG, NR BUXTON, SK17 9QT**

**IMPACT ON THE ENVIRONMENT
&
EFFECT UPON SSSI**

January 2017

OUR REF: 15/2949/ippc

1. POTENTIAL ENVIRONMENTAL IMPACTS – ASSESSMENT

1.1 Three emissions have been identified:

- Odour
- Combustion Gases
- Noise

Of these, combustion gases, using a clean biomass fuel, will be well within the national and EU standards, and therefore deemed not to have a potential deleterious effect upon the environment or upon sensitive receptors.

1.2 Odour and noise can have unacceptable adverse impacts upon human receptors. This was a matter extensively reviewed in the context of the planning application for the Installation development. Of particular note is that prior to the submission of the planning application there was no formal record of any complaints in the previous two years. However, a few objectors to the planning application claimed that the existing operations at the knackery caused odour and noise problems, and there was a wider concern that the proposed Installation development would lead to an intensification of activity on the site and, in particular, more traffic movements through the village. Notably, the objections were focused on the existing knackery operation and fears of intensification rather than the prospect of the Installation development itself giving rise to problems of odour or noise.

1.3 The Head of Planning's report to the Peak District Planning Committee of 14th October 2016 concerning the planning application states:

“However, there is still no hard evidence that existing operations at the Knackers Yard do cause any substantial harm to the amenities of the local area and, in principle, the introduction of the processing plant should reduce vehicle movements and reduce the potential for odour nuisance if there were no significant increase in the amount of animal by products processed at the

Knackers Yard and permission were to be granted for the current application. The Environmental Health Officer from the District Council has no objections to the current application and the nature of the processing plant means that there is no realistic likelihood that taking the plant into use in the building, as proposed, would cause noise or odour nuisance or give rise to any other adverse impact on the environmental quality of the local area. “

1.4 **Odour** – The Installation activity will process raw material that is already received at the wider knackery site, rather than this material being bulked up for despatch to a rendering plant, or incinerated in the case of certain received stock. The present practice of a trailer stood in the front yard of the knackery being filled with potentially odorous material will cease; in the event of a breakdown the material would be required to be moved to an authorised disposal or rendering facility. Consequently:

- The removal of the trailer will remove a source of odour
- Cease the activity of loading the trailer which itself is a potential source of odour
- Retain raw material within the knackery buildings at all time thus mitigating odours by containment at all times
- More prompt processing rather than bulking

1.5 Document B2.3 details the potential odours from the Installation process and their control. It is expected that having regard to the above consequences of processing material at the Installation site – which is further removed from sensitive receptors than the knackery – and the limited potential for odours from the process, that odours from the wider site will be reduced.

1.6 It is concluded that the introduction of the Installation activity will lead to an improvement in the current level of odours perceived emanating from the wider site.

- 1.7 **Noise** – The noise survey and report (see Document B2.9 and Appendix A) provides a modelled calculation of the noise effect of the Installation process. With the attenuation proposed in the construction of the building it is expected that the introduction of the activity itself will have nil effect upon the current noise environment.
- 1.8 Document 2.9 and its Appendix also records that vehicular movements at the knackery site is a source of specific noise as well as other activities. The cessation of loading the externally located trailer, positioned in the front yard relatively close to sensitive receptors, and the change to moving raw material from the knackery and Intermediate Plant to the Installation building at the rear of the site, and to a degree that movement being indoors rather than outside, will remove some sources of noise.
- 1.9 It is concluded that there will be no adverse impact upon the noise environment of the locality of the Installation arising from its introduction and operation.

2 EFFECT UPON SITES OF SPECIAL SCIENTIFIC INTEREST

- 2.1 Upper Lathkill SSSI is located approximately 1.2km to the south east of the Installation site.
- 2.2 The SSSI is a geological site. The citation records

“These are the only known caves of significant size beneath the central limestone plateau of Derbyshire and they therefore provide key evidence of landscape evolution in this part of the Pennines. [And]

“The rocks exposed in Monyash quarry afford a section through an outstanding example of a shelf developed reef, a limestone structure composed of and formed by marine organisms. It is of great importance in the interpretation of the

geological history of the Derbyshire area during early Carboniferous times, some 340 million years ago.”

- 2.3 The last site assessment, carried out in 2009 by the predecessor organisation to Natural England, noted the site in favourable condition, that there was no pollution within the system but that CO² levels continued to be monitored.

- 2.4 The SSSI will not be impacted upon by the Installation activity. As a geological site only pollution by air or water could potentially adversely affect the SSSI and it has been demonstrated in the Permit submission that this is neither likely nor possible given the nature of the Installation activity, its emissions, controls and scale.