ASGARD RENEWABLES LTD

Ms Alys Rook
Natural Resources Wales
Environmental Permitting
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Asgard Renewables Limited
No.5 Raleigh Walk
Brigantine Place
Cardiff
CF10 4LN
Company No. 08773835

Nicola Williams
07595 903548
nw@syrusenergy.com

07th March 2016

Dear Alys

Re: Environmental Permitting (England and Wales) Regulations 2010. Paragraph 4 of Part 1 of Schedule 5 notice dated 07th March 2016. Application ref: PAN000013 Anaerobic Digestion Plant, Asgard Renewables Limited, Unit 2 Crugmore Farm, Penparc, Cardigan.

Please see below the answers to the questions raised in the above Section 5 notice.

a) Will there be one or two (or more) CHPs on the site combusting the biogas from the anaerobic digestion process?

At the time of the Permit application in May 2015 it was planned to only have one CHP unit, however in December 2015 it was decided to install an additional CHP. The site therefore now has two 499kW CHP engines.

b) If there will be two engines (or more), will they run simultaneously?

Should enough gas be produced from the feedstock then yes the engines will both run simultaneously.

c) If there will be two engines (or more), please provide figures for the net rated thermal input for each CHP engine, and how many tonnes of waste (i.e. biogas) each CHP engine has the capacity to incinerate per day.

Each engine is rated at 499kW net rated thermal input with the maximum capacity to incinerate 230m^3 of biogas per hour = 5,520 m^3/day. Based on this volume each engine can incinerate 3,732kg (3.7 tonnes) of biogas each day. With the two CHP engines this is a site maximum of 7.4 tonnes of biogas each day.

I hope the above information is sufficient to allow determination of the permit, if not please contact us as soon as possible.

Yours sincerely

Phillip Gibb
Director
Asgard Renewables Limited