Notice of request for more information

Environmental Permitting (England and Wales) Regulations 2010

Notice requiring further information

To: Company Secretary
Viridis 178 Limited
17 The Courtyard
Gorsey Lane
Coleshill
Birmingham
B46 1JA

Application number: PAN-000118

Natural Resources Wales, in exercise of its powers under paragraph 4 of Part 1 of Schedule 5 of the above Regulations, requires you to provide the information detailed in the attached schedule. The information is required in order to determine your application for a permit, dated 19th February 2016. The information requested should be sent to the following address by 17th June 2016.

This notice has been sent to Mr David Sheppard.

Information should be sent to:

Victoria Seller
Permitting Service
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Name	Date
	3rd June 2016

Victoria Seller, Senior Permitting Officer (Regulated Industry)
Authorised on behalf of Natural Resources Wales

Ffôn/Tel 03000 654588
Ebost/Email Victoria.seller@cyfoethnaturiolcymru.gov.uk
Victoria.seller@naturalresourceswales.gov.uk

Schedule

Type of engine to be used and height of stacks

Natural Resources Wales is aware that planning permission for the site has been granted from the City and County of Swansea. This planning permission is based on the installation of 37 Guascor SFGLD 560 spark ignition engines. Information in the planning permission indicates that these units have a stack height of 4.5m, and a total height of just over 5m.

The information included in the planning permission with regard to engine type differs to that given in the permit application, which states that the installation of 27no. Jenbacher Type 4 J420 engines, with a stack height of 7.2m, is proposed. The modelling of emissions to air used in the air quality impact assessment provided with the permit application in the report entitled 'Air quality impact assessment of emissions to atmosphere from Viridis Swansea Capacity Mechanism Power Plant' (ref. Final Report 15103i3) (the air quality report) is based on the number, stack dimensions and emission rates for the Jenbacher engines.

Please confirm that the number and type of engines that will be installed is 27no. Jenbacher Type 4 J420 engines with a stack height of 7.2m.

Operating profile of the installation

To enable us to assess the air emissions impact assessment supplied with the application in the air quality report, **please provide details of the typical profile of operation of the proposed installation during calls from the National Grid, including, but not limited to:**

- **Duration of operation of the engines during calls; and**
- **Time from initial activation of the engine to achievement of stable running (i.e. start-up time); and**
- **Emissions profile for oxides of nitrogen and carbon monoxide for the Jenbacher Type 4 J420 engine from start-up to shut-down, including information on elevated rates of emission during start-up and shut-down, if applicable; and**
- **Whether all 27 engines will be operated during a call, or whether the engines will be operated in smaller banks.**

Air quality impact assessment

In relation to the assessment of the modelled process contributions (PCs) and predicted environmental concentrations (PECs) at sensitive receptors against the environmental assessment levels, paragraph 3 of page 26 of the air quality report states:

“There are three other sources of emissions close to the site, namely Aleris Recycling, Timet UK Ltd., and Green Frog Power 214 Ltd. … they have been modelled explicitly and added to the background.”

However it is not clear from the tables included in Section4.2 and 4.3 of the air quality report whether or not the impact from these sources has been included or not. **Please clarify how the PECs for human and ecological receptors have been calculated.**

END OF SCHEDULE