Air Quality Note:
Gas Power Generation Facility, Whaley Road, Barnsley

June 2017



Experts in air quality management & assessment

Document Control

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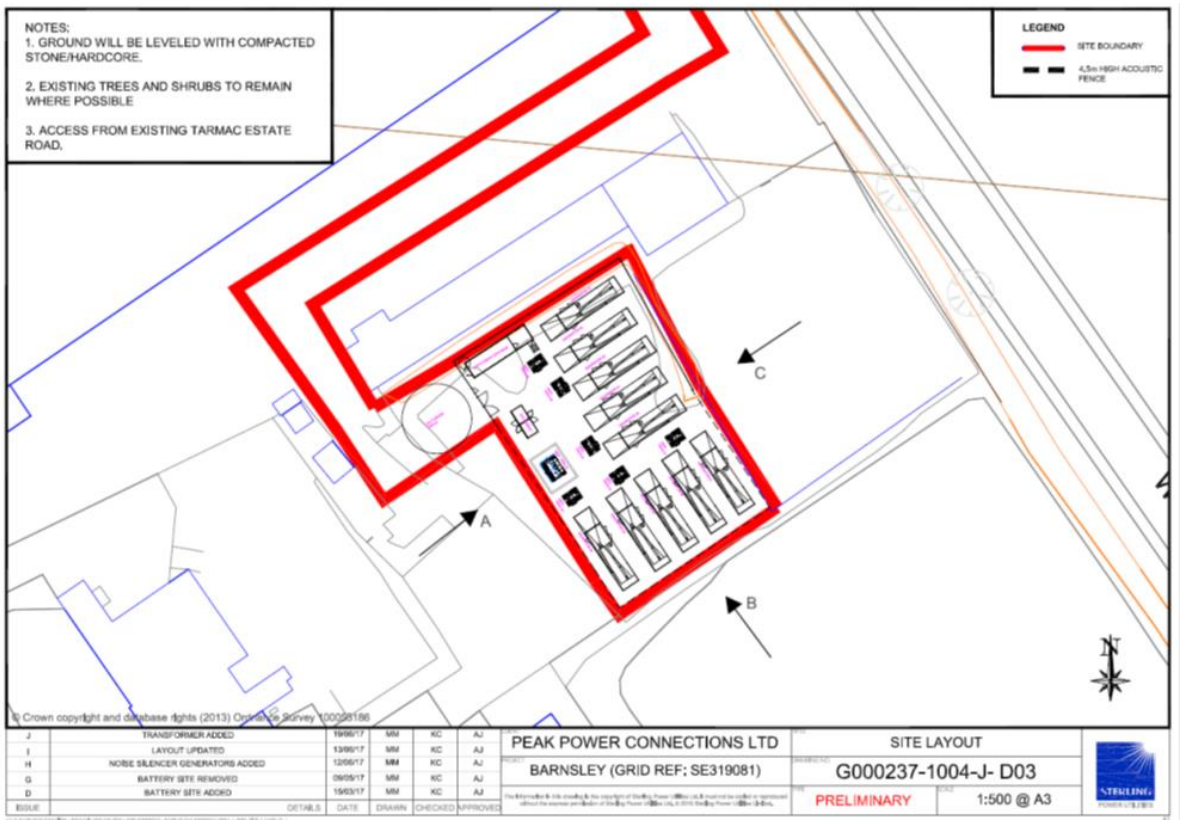
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1 Introduction

1.1 An air quality assessment has been prepared for the proposed natural-gas power-generation facility at Whaley Road, Barnsley by Air Quality Consultants Ltd on behalf of Peak Power Connection Ltd[1]. The assessment examined the potential air quality impacts associated with the operation of 11 natural-gas fired generators of approximately 2 MW each (i.e. 22 MW total) at the site and concluded that the air quality effects, based on operation for up to 2,000 hours a year, would be 'not significant'.

1.2 The design has recently been modified to reduce the number of generators to 10, which will reduce the overall capacity to 20 MW power output, and will subsequently reduce the emissions associated with the facility. The revised site layout plan is shown below:



1.3 The specifications of the engines installed at the site will remain the same and the location and orientation of the engines at the site will remain the same (to within a few metres) as the original generator layout. The only significant change is the removal of one generator, which will result in a 9% reduction in total emissions from the site.

[1] Gas Power Generation Facility, Barnsley Air Quality Assessment J2676C-2-F1, 2017

1.4 The air quality assessment of emissions from eleven 2 MW generators at the site (22 MW total power output), concluded that the air quality impacts will be not significant. Considering the 9% reduction in emissions resulting from the removal of one generator from the site, it can be concluded that the air quality impacts associated with emissions from the 10-generator site layout will also be 'not significant'. It will therefore not be necessary to produce an updated air quality assessment to support this revision to the scheme.