

From: planningcomments@highpeak.gov.uk
To: [Planning Comments \(HPBC\)](#)
Subject: Comment Received from Public Access
Date: 09 August 2024 13:03:45

Application Reference No. : HPK/2023/0193
Site Address: LAND AT Marsh Lane New Mills Derbyshire
Comments by: John Wilson
From:

Yeadsley Lane
Furness Vale
Furness Vale

Phone:

Email:

Submission: Neither

Comments: I believe that the noise assessment fails to consider the tonality of the equipment. The equipment proposed includes inverters and transformers which are well known to be very tonal in nature and to exhibit very different noise conditions when under different loads or operating at different ambient temperatures. It is also true that noise in practice can often be different than the maximum design condition. For this reason I would like to request that some stringent conditions on noise are considered.

1) That the noise impact assessment is revised to be based on a full frequency banded noise profile for the equipment (including both transformers and battery modules, and specifically power inverters used within the BESS modules and those used in any mechanical cooling system) and that this is revised to take account of a number of performance points, e.g 100% load, 50% load, 25% load etc, and if the noise is found to be tonal in nature, that this is considered in line with appropriate planning guidance which is much more stringent on account of the very unpleasant nature of the noise.

2) That continuous noise monitoring is installed at the nearest sound receptors, prior to, during, and following the development to confirm compliance with the noise impact assessment.

3) Finally, if during testing and commissioning of the system, noise levels at the nearest noise receptors are found to be in excess of that within the noise impact report and/or in excess of that permitted by the planning conditions, that the facility will not be permitted to be energised until the issues are resolved. Without this condition, there is a very real concern that the operator/developer will simply operate the facility at a nuisance to the neighbouring properties until such a time as those affected can raise challenges through potentially protracted channels to seek the facility to resolve the noise issues which could take years. This is documented to have been the case at another

Noise is a critical issue here as it is something which has potential to extend far beyond what is visually impacted and there is little an individual can do to avoid receiving the noise being emitted.

There is much in the public domain detailing the noise impacts from existing battery energy storage sites globally which can be reviewed to confirm the scale and seriousness of the potential issue and it is critical that this is considered and controlled properly as part of the planning process.

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