

From: William Summerlin [REDACTED]@stateraenergy.co.uk>
Sent: 21 February 2024 12:05
To: Nsipconsultations@ukhsa.gov.uk
Cc: Contact Thurrock
Subject: RE: Thurrock Flexible Generation - Reg 6 Notice

Dear Carol

Thanks for your email.

The DCO consents up to 620MW of gross rated electrical output for gas reciprocating engines (approx. 600MW of net rated output). The purpose of the non-material change is to allow for flexibility in the procurement of engine sizes for the various phases of the gas element of the project, which could be over a number of years.

Requirement 16 of the made DCO controls operational noise by prohibiting the rating level at any residential receptor exceeding 45 dB LAr,Tr. This is a requirement that covers both the gas element of the project and also the battery element of the project (being a 300MW battery at 2-hour duration that is currently under construction).

Inherent in the design and noise mitigation of both the battery (which is under construction) and the gas (which will be built in phases in the coming years) is a need to comply with requirement 16. Please note that the LAr, Tr rating level caters not just for a specific sound level but also an adjustment for any characteristic feature for the sound in accordance with BS4142 (e.g., the motorcycle vs large car point you made in your email).

As a result, there is no update the environmental statement necessary which is why this change can be progressed as a non-material change. It's also worth noting that noise emitted from any constructed gas engine element of the scheme will be regulated by an environmental permit for operation.

This was also the basis upon which our non-material change for the battery storage element (on which you guys were consulted) was granted in 2023. In that NMC, we tweaked how we could deliver the overall consented capacity of 600MWh for the battery so that instead of it being 150MW at 4 hours duration, we could deliver 300MW at 2 hours duration. That could notionally result in differing sound impacts but the NMC was granted on the basis of noise being adequately controlled (and mitigation secured) by requirement 16 of the DCO.

We would be more than happy to discuss this with you further if you like as we would like to avoid something being submitted to PINS if possible.

Kind Regards

Will

William Summerlin
Senior Development Manager
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From: Nsipconsultations <Nsipconsultations@ukhsa.gov.uk>
Sent: 20 February 2024 8:59 AM
To: Contact Thurrock <contact@thurrockpower.co.uk>
Cc: Nsipconsultations <Nsipconsultations@ukhsa.gov.uk>
Subject: FW: Thurrock Flexible Generation - Reg 6 Notice

Dear Sir/Madam

I note this Non-Material Change (“NMC”) Application is for:

“The NMC would allow for an increase in the number of gas reciprocating engines that can be installed at the site from “up to 48” to “up to 100”.”

This change in the number any type of engines is likely to have an impact on the sound they produce. e.g. a small motorcycle engine sounds different to a large car engine. I cannot find any information that this potential change in sound impact has been assessed.

Can this be included in the application?

Kind regards

Carol Richards
NSIP Admin Team

From: Contact Thurrock <contact@thurrockpower.co.uk>
Sent: 14 February 2024 13:16
To: Nsipconsultations <Nsipconsultations@ukhsa.gov.uk>
Cc: William Summerlin [REDACTED] <[\[REDACTED\]@stateraenergy.co.uk](mailto:[REDACTED]@stateraenergy.co.uk)>
Subject: Thurrock Flexible Generation - Reg 6 Notice

You don't often get email from contact@thurrockpower.co.uk. [Learn why this is important](#)

EXTERNAL: This email originated outside of UKHSA. Do not click links or attachments unless you recognise the sender.

To whom this concerns,

Please find attached letter and notice relating to our non-material change application for our DCO at Thurrock.

Kind regards,

Thurrock Power

[REDACTED]

Email: contact@thurrockpower.co.uk



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