Technical Appendix 9.1
Consultation Record

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1 Correspondence With SLC

From:
To:
Cc:
Subject: RE: RS[redacted] (002)
Date: 28 January 2025 11:40:04
Attachments: image451582.png
image165752.png

Hi [redacted],

Thanks for your

call.

As discussed:
- We will not provide predictions of construction noise or evaluated these against noise limits, given the removal of the hydrogen production facility from the scope - instead, we will provide the proposed construction phase noise limits, which will be derived in accordance with the ABC method provided in BS5228. We will also set out the proposed typical working hours (weekday daytimes, Saturday mornings).
- Operational noise limits for the wind farm component will follow the same approach as for other recent cumulative developments in the area, with an overall noise limit (ONL) of 40 dBLA90 applicable cumulatively and standalone noise limit of 35 dBLA90 and a residual noise limit (RNL) determined by consideration of available headroom within the study area, accounting for cumulative developments.

Best regards,

[redacted]

SLR Consulting Ltd
The Tun, 4 Jackson's Entry, Edinburgh, United Kingdom EH8 8PJ

From: [redacted]
To: [redacted]
Cc:
Subject: Hagshaw Energy Cluster - Western Expansion (HEC-WE) - agreement of approach to noise assessment, limit derivation
Date: 15 January 2025 13:13:01
Attachments: image504954.png
image114810.png
BERIII - EIR - Volume 4F - Noise.pdf
BERIII - EIR - Volume 2 - EIA Report.pdf
HECWE_NoiseReceptors_250114 1.pdf

Hi [redacted]

I maybe had a wrong email address for you – please see the below and attached - if you could get back to me fairly promptly/drop me a line if you have any questions, that would be greatly appreciated!

Many thanks,

[redacted]

SLR Consulting Ltd
The Tun, 4 Jackson's Entry, Edinburgh, United Kingdom EH8 8PJ

From: [redacted]
Sent: Tuesday, January 14, 2025 12:15 PM
[redacted]
Subject: Hagshaw Energy Cluster - Western Expansion (HEC-WE) - agreement of approach to noise assessment, limit derivation

Good afternoon [redacted] ,

Further to our previous correspondence on the HEC-WE project, we are seeking to agree the detail of the approach to the evaluation of noise impacts. The project is now somewhat different to when we consulted with you previously and there are now no proposed turbines in the southern area close where we undertook the baseline surveys. The location of the proposed turbines is shown in the attached drawing, alongside cumulative wind farms identified within the wider study area.

We note that the proposed Bankend Rig III (BRIII) wind farm development lies immediately to the south of the proposed HEC-WE turbines. SLR has reviewed the noise chapter of the EIA submitted for BRIII and considers that this provides a snapshot of the current planning situation within the area. We are not aware

of any applications which have been submitted within the area since BRIII. The BRIII noise chapter and technical appendices are attached for your ease of review.

We propose to follow a similar approach to BRIII, outlined as follows:

Characterisation of baseline noise environment – derivation of noise limits for operational wind turbines

ITPEnergised (now part of SLR) undertook a baseline survey at three locations, considering an earlier iteration of the proposed layout. The proposed turbines of the current layout, following the re-scoping exercise, are sited substantially to the north, and the noise sensitive receptors (NSRs) previously considered now lie well beyond the 35 dBL_{A90} noise contour. The updated turbine layout and location for the HEC-WE project is shown in the attached drawing. Also shown are the closest identified NSRs to the updated wind turbine layout.

The BRIII noise assessment utilised baseline data measured in support of the Mill Rig Windfarm application, on the basis that it would not be possible to measure baseline data in the absence of noise from existing turbines at any of the closest NSRs. The location used to characterise the prevailing background noise level for all NSRs was remote from existing turbines and may be considered a 'proxy location', whereby the noise environment will be similar to that at NSRs, but without noise from operational wind turbines. The proxy location, Nether Whitehaugh, is shown on the attached figure.

The BRIII assessment adopted the following approach to determining noise limits (in accordance with ETSU-R-97 and the IoA Good Practice Guide:

- Total noise limit of 40 dB daytime and 43 dB night-time or background +5 dB, whichever is the greater whilst taking account of the noise limits that could theoretically be used by other schemes.
- Site-specific noise limit of 35 dB daytime and 43 dB night-time or background +5 dB, whichever is the greater, whilst taking account of the noise limit that could theoretically be used by other schemes.

We propose to use the same proxy data to set the total noise limit, and the same method of determining noise limits as used in the BRIII assessment – please can you confirm that you are happy with this approach?

Where properties have a financial involvement with HEC-WE, we propose to consider a total noise limit of 45 dB or background +5 dB, whichever is the greater.

Approach to evaluation of noise from battery (BESS) and solar aspects

The solar and BESS aspects of HEC-WE are predominantly in East Ayrshire (there are two options for the BESS location, one is in South Lanarkshire). We propose to use the baseline data we measured during our baseline survey campaign to characterise the daytime and night-time background noise level at receptors close to the proposed BESS and solar components of the project.

Solar and BESS aspects will be evaluated in accordance BS4142, with a rating level of up to 5 dB above the representative background being considered indicative of a 'not adverse' impact and a rating level at or below the background indicative of a 'low impact'.

Please let me know at your earliest convenience if you have any questions on the above; I would welcome

the opportunity to discuss any aspect with you.
Best regards,

From: [redacted]
Sent: 14 January 2025 12:15
[redacted]
Subject: Hagshaw Energy Cluster - Western Expansion (HEC-WE) - agreement of approach to noise assessment, limit derivation

Good afternoon [redacted]

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Please let me know at your earliest convenience if you have any questions on the above; I would welcome the opportunity to discuss any aspect with you.

Best regards,

[redacted]

[redacted]

[redacted]

SLR Consulting Ltd
The Tun, 4 Jackson's Entry, Edinburgh, United Kingdom EH8 8PJ

2 Correspondence with EAC

From: [redacted]
To: [redacted]
Subject: [OFFICIAL]Fw: Hagshaw Energy Cluster - Western Expansion (HEC-WE) - agreement of approach to noise assessment, limit derivation [OFFICIAL]
Date: 15 January 2025 12:14:40
Attachments:
image001.png
image002.png

You don't often get email from bill.gilchrist@east-ayrshire.gov.uk. Learn why this is important

Official

Good afternoon [redacted]

I refer to your undernoted email which has been passed to me for response.
I can confirm that this Service is happy with the proposed approach to Noise Assessment and accept the total noise limits referred to. Having said that, it may well be that EAC's independent noise consultant will be asked to comment on the proposals and any submitted assessment and we would of course defer to his expertise in this.

Regards

[redacted]
Governance Services (Regulatory)
East Ayrshire Council
Council
Headquarters
London Road
Kilmarnock
KA3 7BU

From: [redacted]
Sent: 14 January 2025 12:15
[redacted]
Subject: Hagshaw Energy Cluster - Western Expansion (HEC-WE) - agreement of approach to noise assessment, limit derivation

Good afternoon [redacted]

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Best regards,

[redacted]

[redacted]

[redacted]

SLR Consulting Ltd
The Tun, 4 Jackson's Entry, Edinburgh, United Kingdom EH8 8PJ

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