

Fanellan Hub 400 kV Substation and Converter Station Environmental Impact Assessment Report Volume 4 | Technical Appendices

Appendix 14.8 – Calibration Certificate NL74 34178103

February 2025





TECHNICAL APPENDIX 14: NOISE IMPACT ASSESSMENT

14.8 Calibration Certificate NC74 34178103

| Date of Issue: 24 | | | | 0653 |
|--|--|--|--|---|
| Calibrated at & Certifica ANV Measurement Sys | ate issued by: | Certifi | Cate Number: Page 1 | UCRT22/1682 of 2 Pages |
| Beaufort Court 17 Roebuck Way Milton Keynes MK5 8H Telephone 01908 6428 E-Mail: info@noise-and-v Web: www.noise-and-v Acoustics Noise and Vibration Lt | IL 46 Fax 01908 6428 I-vibration.co.uk ibration.co.uk | 14 K. Mistry | d Signatory | Knotherf. |
| Customer | Wood Group St. Vincent Plaz 319 St. Vincent Glasgow G2 5LP | a (Floor 2) | | |
| Order No. | 26010406 | | | |
| Test Procedure | Procedure TP 1 | Calibration of Sound | l Calibrators | |
| Description | Acoustic Calibra | ator | | |
| Identification | <i>Manufacturer</i> Rion | <i>Instrument</i> Calibrator | Model NC-74 | Serial No. 34178103 |
| available from a tests, to demons evaluation desc | testing organisation trate that the model ribed in Annex A o | (PTB) responsible for a of sound calibrator fully | approving the resi conformed to the | As public evidence was ults of pattern evaluation requirements for pattern tested is considered to |
| ANV Job No. | UKAS22/05346 | | | |
| Date Received | 23 May 2022 | | | |
| | 24 May 2022 | | | |
| Date Calibrated | | | | |



| CERTIFICATE OF CALIBRATION | | | | Certificate Number UCRT22/1682 | | | | |
|---|--|-----------------------------------|---------------------|-----------------------------------|--------|-----------|-------|---------------|
| UKAS Accredit | ed Calibration Labora | tory No. 0653 | | Page | 2 | of | 2 | Pages |
| | | | | | | | | |
| <u>Measurements</u> | | | | | | | | |
| he Insert Voltage M | level generated by the ethod using a microp corrected to the star rs information. | ohone as deta | iled below. T | he mea | n of t | he res | ults | obtained is |
| Test Microphone | | <i>Туре</i> 4134 | | | | | | |
| Results | | | | | | | | |
| The level of the calib | rator output under the | conditions ou | tlined above w | as | | | | |
| | 94.02 ± | 0.10 dB rel 2 |) µPa | | | | | |
| | | | - | | | | | |
| Functional Tests and | Observations | | | | | | | |
| The frequency of the The total distortion w | sound produced was as | | 1001.97 ± 1.61 ± | | | tortion | | |
| During the measuren | nents environmental o | conditions wer | е | | | | | |
| Temperature Relative Humidity Barometric Pressure | 23 44 99.4 | to 24 °C to 51 % to 99.5 kP | | | | | | |
| k=2, providing a cove | led uncertainty is ba erage probability of ap th UKAS requirements | oproximately S | | - | | - | | - |
| The uncertainties re instrument to maintai | fer to the measured n its calibration. | values only v | vith no accour | nt being | take | n of th | ie al | oility of the |
| | ctor may need to be a sound level meter book for details. | | | | | | | |
| Note: | | END | | | | | | |
| Calibrator ad | justed prior to calibra Initial L Initial Frequ | _evel N/A | dB Hz | | | | | |
| Additional Comments | The results on this c | - | | s calibrat | ed as | identifie | ed ab | ove. |
| None | | | | | | | | |
| | | | | | | | | |