

RWE Renewables UK Dogger Bank South (West) Limited

RWE Renewables UK Dogger Bank South (East) Limited

Dogger Bank South Offshore Wind Farms

Environmental Statement

Volume 7

Appendix 26-4 Air Quality Assessment - Construction Phase Road Traffic Emissions Receptor Locations

June 2024

Application Reference: 7.26.26.4

APFP Regulation: 5(2)(a)

Revision: 01



| | | | |
|--------------------------------|--|------------------------------|----------------------------|
| Company: | RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited | Asset: | Development |
| Project: | Dogger Bank South Offshore Wind Farms | Sub Project/Package: | Consents |
| Document Title or Description: | Appendix 26-4 Air Quality Assessment - Construction Phase Road Traffic Emissions Receptor Locations | | |
| Document Number: | 004300170-01 | Contractor Reference Number: | PC2340-RHD-ON-ZZ-AX-Z-0046 |

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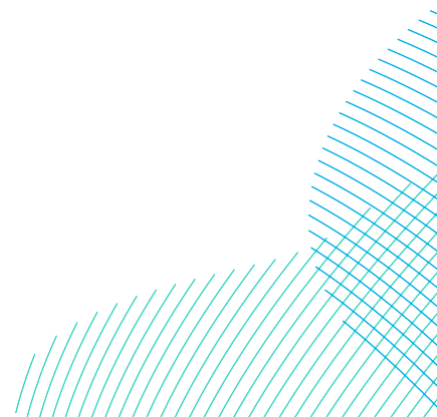
| Rev No. | Date | Status/Reason for Issue | Author | Checked by | Approved by |
|----------------|-------------|--------------------------------|---------------|-------------------|--------------------|
| 01 | June 2024 | Final for DCO Application | RHDHV | RWE | RWE |

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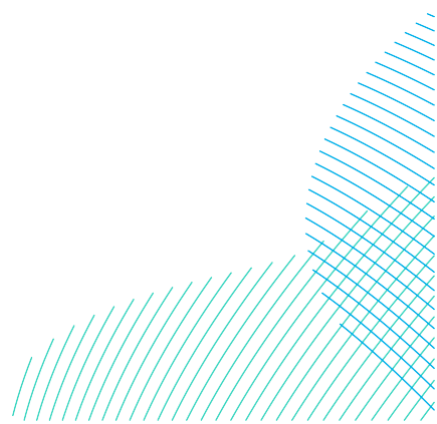
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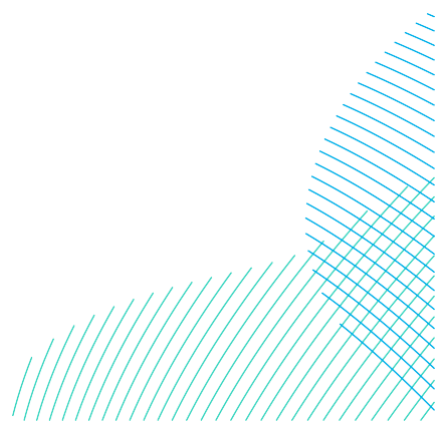
Glossary

| Term | Definition |
|---|---|
| Concurrent Scenario | A potential construction scenario for the Projects where DBS East and DBS West are both constructed at the same time. |
| Dogger Bank South (DBS) Offshore Wind Farms | The collective name for the two Projects, DBS East and DBS West. |
| In Isolation Scenario | A potential construction scenario for one Project which includes either the DBS East or DBS West array, associated offshore and onshore cabling and only the eastern Onshore Converter Station within the Onshore Substation Zone and only the northern route of the onward cable route to the proposed Birkhill Wood National Grid Substation. |
| The Projects | DBS East and DBS West (collectively referred to as the Dogger Bank South Offshore Wind Farms) |



Acronyms

| Term | Definition |
|------|-------------------------------------|
| AW | Ancient Woodland |
| LNR | Local Nature Reserve |
| SAC | Special Area of Conservation |
| SSSI | Site of Special Scientific Interest |
| SPA | Special Protection Area |



26.4 Construction Phase Road Traffic Emissions Assessment Receptor Locations

26.4.1 Human Receptors

1. The sensitive human receptors assessed in the construction phase road traffic emission assessment for DBS East and DBS West for a Project alone (i.e. DBS East or DBS West In Isolation Scenario) and the Projects Concurrently are provided in **Table 26-4-1**.
2. As detailed in section 26.4.3.3.2 of **Volume 7, Chapter 26 Air Quality (application ref: 7.26)**, the traffic routes used by Projects' construction traffic have been amended since the Preliminary Environmental Impact Report (PEIR). Project-generated construction traffic will no longer be routed along A63 Clive Sullivan Way (traffic Links 25 and 26, see **Volume 7, Appendix 26-3 Air Quality Assessment Traffic Data (application ref: 7.26.26.3)** for further details). In addition, due to Project refinements, some road links which were considered in the detailed assessment at PEIR have not been screened in for the Environmental Statement (ES). Therefore, receptors located along these road links have been removed from the assessment. Additional receptors introduced since the PEIR are prefixed with 'ES'. All other receptors remain unchanged from PEIR.

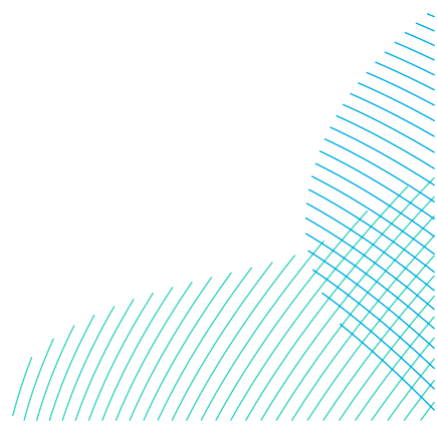
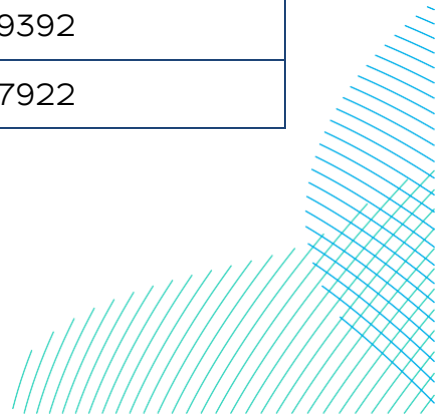
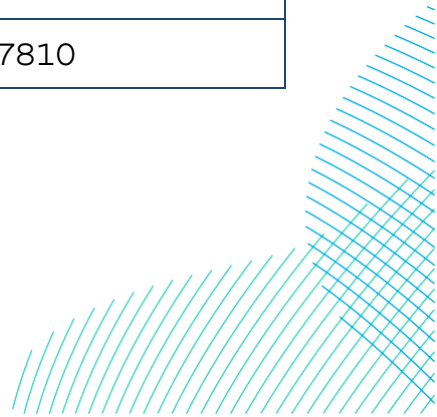


Table 26-4-1 Sensitive Human Receptor Locations

| Receptor ID | Link | Ordnance Survey (OS) Grid Reference | |
|--------------------------|------|-------------------------------------|--------|
| | | X | Y |
| Hull City Council | | | |
| R1 (in AQMA) | 24 | 509766 | 428459 |
| R2 (in AQMA) | 24 | 509502 | 428434 |
| R30 | 24 | 510656 | 428709 |
| R31 | 22 | 513742 | 429353 |
| R32 | 22 | 513939 | 429345 |
| R33 | 22 | 514108 | 429328 |
| R34 | 19 | 511290 | 429440 |
| R35 | 19 | 511187 | 429477 |
| R36 | 74 | 510726 | 430089 |
| R37 | 74 | 510410 | 431208 |
| R38 | 74 | 510367 | 431400 |
| R39 | 74 | 510330 | 431765 |
| R40 | 75 | 510139 | 432685 |
| R41 | 40 | 509130 | 433044 |
| R42 | 40 | 509083 | 433637 |
| R45 | 17 | 514812 | 433190 |
| ES R67 | 76 | 512957 | 431257 |
| ES R68 | 76 | 512969 | 431331 |
| ES R69 | 76 | 513853 | 429392 |
| ES R70 (in AQMA) | 77 | 508915 | 427922 |



| Receptor ID | Link | Ordnance Survey (OS) Grid Reference | |
|---|-----------|-------------------------------------|--------|
| | | X | Y |
| ES R71 (in AQMA) | 77 | 509227 | 428108 |
| ES R72 (in AQMA) | 77 | 509409 | 428166 |
| East Riding of Yorkshire Council | | | |
| R6 | 27 | 498620 | 426527 |
| R7 | 30 and 31 | 500856 | 427772 |
| R8 | 31 | 500568 | 429044 |
| R9 | 31 | 501509 | 430740 |
| R10 | 33 | 502343 | 432442 |
| R11 | 35 | 502546 | 436495 |
| R12 | 38 | 502704 | 437480 |
| R13 | 50 | 504541 | 438584 |
| R14 | 52 | 504911 | 438826 |
| R15 | 52 | 504898 | 439578 |
| R16 | 53 | 504800 | 439867 |
| R17 | 53 | 504451 | 440781 |
| R18 | 56 | 504970 | 441461 |
| R19 | 56 | 506597 | 442095 |
| R20 | 54 and 55 | 508857 | 442651 |
| R24 | 66 | 505665 | 435204 |
| R25 | 63 | 502510 | 436991 |
| R26 | 63 | 501327 | 437810 |



| Receptor ID | Link | Ordnance Survey (OS) Grid Reference | |
|-------------|-----------|-------------------------------------|--------|
| | | X | Y |
| R27 | 63 | 501148 | 437857 |
| R46 | 14 | 514129 | 439575 |
| R55 | 53 and 56 | 504215 | 440966 |
| ES R64* | 9 | 511958 | 447468 |
| ES R65 | 16 | 515660 | 435167 |
| ES R66 | 13 | 512320 | 442724 |

*Receptor has only been included in the DBS East and DBS West Concurrent Scenario assessment.

26.4.2 Ecological Receptors

3. Sensitive ecological receptors assessed in the construction phase road traffic emissions assessment for DBS East and DBS West for a Project alone (i.e. DBS East or DBS West In Isolation Scenario) and Projects concurrently are provided in **Table 26-4-2**.

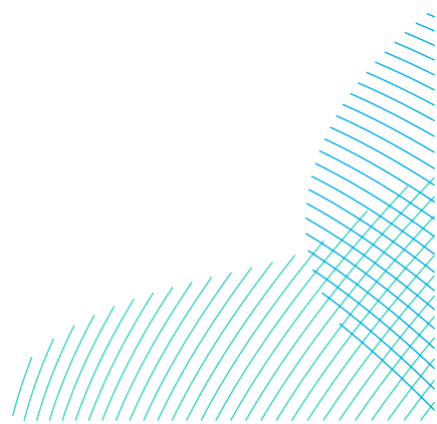


Table 26-4-2 Sensitive Ecological Receptor Locations

| Link | Designated Ecological Site | | Distance from ARN Link (m) | Screened in for Further Assessment ¹ ? |
|------|--|-------------------|----------------------------|---|
| | Site Type | Name | | |
| 4 | Site of Special Scientific Interest (SSSI) | Skipsea Bail Mere | 0 | No ² |
| 5 | SSSI | Skipsea Bail Mere | 100 | No ² |
| 6 | SSSI | Skipsea Bail Mere | 138 | No ² |
| 24 | Special Area of Conservation (SAC), Special Protection Area (SPA), Ramsar Site ³ and SSSI | Humber Estuary | 72 | Yes |
| 28 | Local Nature Reserve (LNR) | Humber Bridge | 150 | Yes ⁴ |
| 29 | SAC, SPA, Ramsar Site ³ and SSSI | Humber Estuary | 30 ⁵ | Yes |
| | LNR | Humber Bridge | 35 | Yes |
| 62 | SSSI | Burton Bushes | 48 | No |
| | Ancient Woodland (AW) | Burton Bushes | 88 | No |
| 63 | AW | Bentley Moor Wood | 162 | Yes |

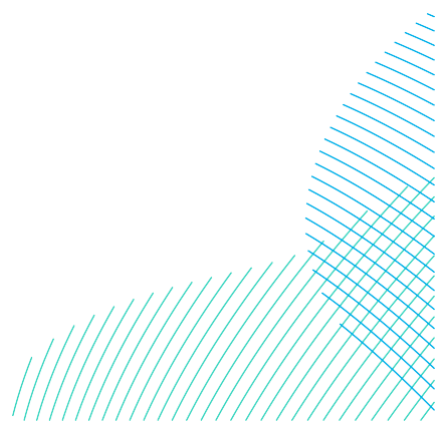
¹See section 26.4.3.3.7 and Table 26-21 of **Volume 7, Chapter 26 Air Quality (application ref: 7.26)** for further details.

²Excluded from assessment as not sensitive to air quality impacts.

³Ramsar sites are designated wetland sites and are not included in the APIS database for being sensitive to air quality impacts. Impacts on Ramsar sites have therefore been considered under the associated SAC or SPA designations for the same area.

⁴For Projects Concurrent Scenario only.

⁵The height of the Humber Bridge has been used as the distance between the roads edge and the Humber Estuary SAC, SPA and SSSI, given the bridge road deck is 30m above high water level to enable passage of ships beneath.



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