



Humber Low Carbon Pipelines

Preliminary Environmental Information Report
Appendix 6.1 and 6.2 Air Quality
October 2022

nationalgrid

Contents

| | |
|--|-----------|
| Air Quality Appendix 6.1- Construction Dust Risk Assessment Methodology | 3 |
| Step 1 | 3 |
| Step 2 | 3 |
| Step 3 | 10 |
| Step 4 | 10 |
| Air Quality Appendix 6.2- Local Authority Monitoring Data | 11 |
| References | 42 |

Air Quality Appendix 6.1- Construction Dust Risk Assessment Methodology

In order to determine appropriate mitigation measures and a suitable monitoring programme, a dust risk assessment has been undertaken in accordance with the methodology outlined within the Institute of Air Quality Management Guidance on the Assessment of Dust from Demolition and Construction (Ref 6.1).

The assessment steps are detailed below:

Step 1

Step 1 screens the requirement for a more detailed assessment. Should human receptors be identified within 350 m of the boundary or 50 m from the construction vehicle route (up to 500 m from the Site entrance for large sites, 200 m from medium sites and 50 m from small sites), then the assessment proceeds to Step 2. Additionally, should ecological receptors be identified within 50 m of the Site or 50 m from the construction vehicle route (up to 500 m from the Site entrance for large sites, 200 m from medium sites and 50 m from small sites), then the assessment also proceeds to Step 2.

Should sensitive receptors not be present within the relevant distances then negligible impacts would be expected and further assessment is not necessary.

Step 2

Step 2 assesses the risk of potential dust impacts. A site is allocated a risk category based on two factors:

- The scale and nature of the works, which determines the magnitude of dust arising as: small, medium or large (Step 2A); and
- The sensitivity of the area to dust impacts, which can be defined as low, medium or high sensitivity (Step 2B).

The two factors are combined in Step 2C to determine the risk of dust impacts without mitigation applied.

Step 2A defines the potential magnitude of dust emission through the construction phase. The relevant criteria are summarised in Table 6.1.1.

Table 6.1.1: Construction Dust: Magnitude of Emission

| Magnitude | Activity | Criteria |
|-----------|------------|---|
| Large | Demolition | Total building volume greater than 50,000 m ³ Potentially dusty construction material (e.g. concrete) |

| Magnitude | Activity | Criteria |
|-----------|--------------|--|
| | | On-site crushing and screening Demolition activities greater than 20 m above ground level |
| | Earthworks | Total site area greater than 10,000 m ² Potentially dusty soil type (e.g. clay, which will be prone to suspension when dry due to small particle size) More than 10 heavy earth moving vehicles active at any one time Formation of bunds greater than 8 m in height More than 100,000 tonnes of material moved |
| | Construction | Total building volume greater than 100,000m ³ On site concrete batching Sandblasting |
| | Trackout | More than 50 Heavy Duty Vehicle (HDV) trips per day Potentially dusty surface material (e.g. high clay content) Unpaved road length greater than 100 m |
| Medium | Demolition | Total building volume 20,000 m ³ to 50,000 m ³ Potentially dusty construction material Demolition activities 10 m to 20 m above ground level |
| | Earthworks | Total site area 2,500 m ² to 10,000 m ² Moderately dusty soil type (e.g. silt) 5 to 10 heavy earth moving vehicles active at any one time Formation of bunds 4 m to 8 m in height Total material moved 20,000 tonnes to 100,000 tonnes |
| | Construction | Total building volume 25,000 m ³ to 100,000 m ³ Potentially dusty construction material (e.g. concrete) On site concrete batching |
| | Trackout | 10 to 50 HDV trips per day Moderately dusty surface material (e.g. high clay content) |

| Magnitude | Activity | Criteria |
|-----------|--------------|--|
| | | Unpaved road length 50 m to 100 m |
| Small | Demolition | Total building volume under 20,000 m ³ Construction material with low potential for dust release (e.g. metal cladding or timber) Demolition activities less than 10 m above ground level. Demolition activities during wetter months |
| | Earthworks | Total site area less than 2,500 m ² Soil type with large grain size (e.g. sand) Less than 5 heavy earth moving vehicles active at any one time Formation of bunds less than 4 m in height Total material moved less than 20,000 tonnes Earthworks during wetter months |
| | Construction | Total building volume less than 25,000 m ³ Construction material with low potential for dust release (e.g. metal cladding or timber) |
| | Trackout | Less than 10 HDV trips per day Surface material with low potential for dust release Unpaved road length less than 50 m |

Step 2B defines the sensitivity of the area around the development to potential dust impacts. The influencing factors are shown in Table 6.1.2.

Table 6.1.2: Construction Dust: Examples of Factors Defining Sensitivity of an Area

| Receptor Sensitivity | Examples | |
|----------------------|---|--|
| | Human Receptors | Ecological Receptors |
| High | Users expect of high levels of amenity High aesthetic or value property People expected to be present continuously for extended periods of time | Internationally or nationally designated site e.g. Special Area of Conservation |

| Receptor Sensitivity | Examples | |
|----------------------|---|--|
| | Human Receptors | Ecological Receptors |
| | Locations where members of the public are exposed over a time period relevant to the objective for PM ₁₀ . e.g. residential properties, hospitals, schools and residential care homes | |
| Medium | <p>Users would expect to enjoy a reasonable level of amenity</p> <p>Aesthetics or value of their property could be diminished by soiling</p> <p>People or property wouldn't reasonably be expected to be present here continuously or regularly for extended periods as part of the normal pattern of use of the land e.g. parks and places of work</p> | Nationally designated site e.g. Sites of Special Scientific Interest |
| Low | <p>Enjoyment of amenity would not reasonably be expected</p> <p>Property would not be expected to be diminished in appearance</p> <p>Transient exposure, where people would only be expected to be present for limited periods. e.g. public footpaths, playing fields, shopping streets, playing fields, farmland, footpaths, short term car park and roads</p> | Locally designated site e.g. Local Nature Reserve |

The IAQM construction dust guidance (Ref 6.1) also provides the following factors to consider when determining the sensitivity of an area to potential dust impacts:

- Any history of dust-generating activities in the area;
- The likelihood of concurrent dust-generating activity on nearby sites;
- Any pre-existing screening between the source and receptors;
- Any conclusions drawn from analysing local meteorological data which accurately represent the area; and if relevant the season during which works will take place;
- Any conclusions drawn from local topography;
- Duration of the potential impact, as a receptor may become more sensitive over time; and
- Any known specific receptor sensitivities which go beyond the classifications given in the document.

These factors have been considered during the undertaking of the assessment.

The criteria for determining the sensitivity of the area to dust soiling effects on people and property is summarised in Table 6.1.3.

Table 6.1.3: Construction Dust: Sensitivity of the Area to Dust Soiling Effects on People and Property

| Receptor Sensitivity | Number of Receptors | Distance from the Source (m) | | | |
|----------------------|---------------------|------------------------------|--------------|---------------|---------------|
| | | Less than 20 | Less than 50 | Less than 100 | Less than 350 |
| High | More than 100 | High | High | Medium | Low |
| | 10 - 100 | High | Medium | Low | Low |
| | 1 - 10 | Medium | Low | Low | Low |
| Medium | More than 1 | Medium | Low | Low | Low |
| Low | More than 1 | Low | Low | Low | Low |

Note – only the highest level of sensitivity needs to be considered.

Table 6.1.4 outlines the criteria for determining the sensitivity of the area to human health impacts.

Table 6.1.4: Construction Dust: Sensitivity of the Area to Human Health Impacts

| Receptor Sensitivity | Annual Mean PM ₁₀ Conc. | Number of Receptors | Distance from the Source (m) | | | | |
|----------------------|------------------------------------|---------------------|------------------------------|--------------|---------------|---------------|---------------|
| | | | Less than 20 | Less than 50 | Less than 100 | Less than 200 | Less than 350 |
| High | Greater than 32 µg/m ³ | More than 100 | High | High | High | Medium | Low |
| | | 10 - 100 | High | High | Medium | Low | Low |
| | | 1 - 10 | High | Medium | Low | Low | Low |
| | 28 – 32 µg/m ³ | More than 100 | High | High | Medium | Low | Low |
| | | 10 - 100 | High | Medium | Low | Low | Low |
| | | | | | | | |

| Receptor Sensitivity | Annual Mean PM ₁₀ Conc. | Number of Receptors | Distance from the Source (m) | | | | |
|----------------------|------------------------------------|---------------------|------------------------------|--------------|---------------|---------------|---------------|
| | | | Less than 20 | Less than 50 | Less than 100 | Less than 200 | Less than 350 |
| | 24 – 28 µg/m ³ | 1 - 10 | High | Medium | Low | Low | Low |
| | | More than 100 | High | Medium | Low | Low | Low |
| | | 10 - 100 | High | Medium | Low | Low | Low |
| | | 1 - 10 | Medium | Low | Low | Low | Low |
| | Less than 24 µg/m ³ | More than 100 | Medium | Low | Low | Low | Low |
| | | 10 - 100 | Low | Low | Low | Low | Low |
| | | 1 - 10 | Low | Low | Low | Low | Low |
| Medium | Greater than 32 µg/m ³ | More than 10 | High | Medium | Low | Low | Low |
| | | 1 - 10 | Medium | Low | Low | Low | Low |
| | 28 – 32 µg/m ³ | More than 10 | Medium | Low | Low | Low | Low |
| | | 1 - 10 | Low | Low | Low | Low | Low |
| | 24 – 28 µg/m ³ | More than 10 | Low | Low | Low | Low | Low |
| | | 1 - 10 | Low | Low | Low | Low | Low |
| | Less than 24 µg/m ³ | More than 10 | Low | Low | Low | Low | Low |
| | | 1 - 10 | Low | Low | Low | Low | Low |
| Low | - | 1 or more | Low | Low | Low | Low | Low |

Note – only the highest level of sensitivity needs to be considered.

Table 6.1.5 outlines the criteria for determining the sensitivity of the area to ecological impacts.

Table 6.1.5: Construction Dust: Sensitivity of the Area to Ecological Impacts

| Receptor Sensitivity | Distance from the Source (m) | |
|----------------------|------------------------------|--------------|
| | Less than 20 | Less than 50 |
| High | High | Medium |
| Medium | Medium | Low |
| Low | Low | Low |

Step 2C combines the dust emission magnitude with the sensitivity of the area to determine the risk of unmitigated impacts.

Table 6.1.6 outlines the risk category from demolition activities.

Table 6.1.6: Construction Dust: Dust Risk Category from Demolition Activities

| Receptor Sensitivity | Dust Emission Magnitude | | |
|----------------------|-------------------------|--------|------------|
| | Large | Medium | Small |
| High | High | Medium | Medium |
| Medium | High | Medium | Low |
| Low | Medium | Low | Negligible |

Table 6.1.7 outlines the risk category from earthworks and construction activities.

Table 6.1.7: Construction Dust: Dust Risk Category from Earthworks and Construction Activities

| Receptor Sensitivity | Dust Emission Magnitude | | |
|----------------------|-------------------------|--------|------------|
| | Large | Medium | Small |
| High | High | Medium | Low |
| Medium | Medium | Medium | Low |
| Low | Low | Low | Negligible |

Table 6.1.8 outlines the risk category from trackout activities.

Table 6.1.8: Construction Dust: Dust Risk Category from Trackout Activities

| Receptor Sensitivity | Dust Emission Magnitude | | |
|----------------------|-------------------------|--------|------------|
| | Large | Medium | Small |
| High | High | Medium | Low |
| Medium | Medium | Low | Negligible |
| Low | Low | Low | Negligible |

Step 3

Step 3 requires the identification of site-specific mitigation measures within the guidance to reduce potential dust impacts based upon the relevant risk categories identified in Step 2. For sites with negligible risk, mitigation measures beyond those required by legislation are not required. However, additional controls may be applied as part of good practice.

Step 4

Once the risk of dust impacts has been determined and the appropriate mitigation measures identified, the final step is to determine the significance of any residual impacts. For almost all construction activity, the aim should be to control effects through the use of effective mitigation. Experience shows that this is normally possible, hence the residual effect will normally be not significant. This has been described as negligible within this report to provide continuity between assessment terminologies.

Air Quality Appendix 6.2- Local Authority Monitoring Data

Table 6.2.1 presents the local authority diffusion tube monitoring data for years 2016 to 2020 extracted from the most recently available Air Quality Annual Status Reports. Exceedances of the AQS objectives are shown in bold.

Table 6.2.1 – Local Authority Diffusion Tube Monitoring Data

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|------------------------|---------------------------------------|------------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| 3N | Selby District Council | Carantan Cl | Urban Background | 460855 | 432820 | 16.9 | 17.9 | 15.6 | 15.3 | 12.5 |
| 4N | Selby District Council | Brook St | Roadside | 461096 | 432191 | 27.3 | 24.3 | 25.7 | 26.5 | 17.1 |
| 9N | Selby District Council | Bryony Ct | Urban Background | 460899 | 430935 | 15.4 | 15.8 | 15.3 | 16.2 | 10.8 |
| S1 | Selby District Council | Fringe Hair (Formerly Bailey & Haigh) | Roadside | 461638 | 432345 | 35.3 | 33.3 | 33.8 | 32.1 | 24.2 |
| S2 | Selby District Council | Lamp Post 52 (Bridge) | Roadside | 461689 | 432422 | 34.5 | 33.6 | 32.6 | 31.1 | 23.2 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|------------------------|--------------------------------|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S3a, S3b, S3c | Selby District Council | Rose & Crown | Roadside | 461670 | 432408 | 40.1 | 37.7 | 36.6 | 36 | 25.8 |
| S4 | Selby District Council | Tattoo Studio | Roadside | 461681 | 432407 | 48.3 | 46.8 | 44.4 | 43.6 | 32.2 |
| S5a, S5b, S5c | Selby District Council | Froko Furniture | Roadside | 461659 | 432405 | 44.7 | 40.7 | 41.4 | 39.2 | 29.6 |
| S6 | Selby District Council | Preston Baker Est Ag | Roadside | 461635 | 432372 | 32.8 | 28.6 | 28.7 | 26.4 | 20.6 |
| S7a, S7b, S7c | Selby District Council | 21 New St | Roadside | 461688 | 432434 | 54.8 | 51.5 | 48.4 | 46.5 | 35.2 |
| S8 | Selby District Council | Chevin | Roadside | 461697 | 432424 | 31.2 | 30.5 | 28.2 | 29.2 | 21.1 |
| S10 | Selby District Council | Gowthorpe (lamp post Greggs) | Roadside | 461317 | 432356 | 35.9 | 33.7 | 31 | 30.5 | 22.6 |
| S11 | Selby District Council | 10 The Crescent Lisa's Florist | Roadside | 461507 | 432319 | 35.7 | 35.2 | 31.3 | 33.2 | 24.3 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|------------------------|----------------------------|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S12 | Selby District Council | 120 Leeds Road | Roadside | 461003 | 432209 | | | 23.6 | 22.7 | 17.4 |
| S13 | Selby District Council | 95 Leeds Road | Roadside | 461034 | 432216 | | | 29.5 | 28.7 | 20.8 |
| S14 | Selby District Council | 21 Flaxley Road | Roadside | 461176 | 432651 | | | 28.1 | 24.5 | 18.4 |
| S15 | Selby District Council | Lamp post 4 - Flaxley Road | Roadside | 461170 | 432660 | | | 26 | 24.2 | 17.9 |
| S16 | Selby District Council | 124 Millgate | Roadside | 461231 | 432759 | | | 28.4 | 27 | 17.6 |
| S17 | Selby District Council | 103 Millgate | Roadside | 461233 | 432746 | | | 33.8 | 31 | 21.7 |
| S18 | Selby District Council | Stephensons - Millgate | Roadside | 461517 | 432582 | | | 32.3 | 29.5 | 21 |
| S19 | Selby District Council | 10 Millgate | Roadside | 461526 | 432584 | | | 36.7 | 34.1 | 22.7 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|------------------------|--------------------------|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S20 | Selby District Council | 14 Nalton Street | Roadside | 461199 | 432131 | | | 24 | 21.9 | 16.5 |
| S21 | Selby District Council | 25 Nalton Street | Roadside | 461208 | 432140 | | | 21.1 | 18.8 | 15.1 |
| S22 | Selby District Council | Dr Inks, Ousegate | Roadside | 461733 | 432411 | | | | 24 | 18.3 |
| S23 | Selby District Council | Lamp post 26, Ousegate | Roadside | 461821 | 432376 | | | | 20.5 | 15.9 |
| S24 | Selby District Council | Lamp post 27, Ousegate | Roadside | 461788 | 432379 | | | | 23.6 | 19.6 |
| S25 | Selby District Council | Lamp post 28, Ousegate | Roadside | 461762 | 432408 | | | | 21.9 | 18.8 |
| S26 | Selby District Council | Jac D Boutique 1st Floor | Roadside | 461648 | 432384 | | | | | 25.8 |
| S1 | East Riding | 35 Main Street, Swanland | Kerbside | 499662 | 428158 | | | | 14 | 12.4 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|---|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S2 | East Riding | Kexby House, A1079, Eastbound, Kexby | Kerbside | 470731 | 451338 | | 32 | 31 | 29 | 21.4 |
| S3 | East Riding | 51 Main Street, Market Weighton | Roadside | 487620 | 441789 | | | | 22 | 18.7 |
| S4 | East Riding | Garrowby Lodge, Garrowby | Kerbside | 478472 | 456684 | | | | 14 | 10.1 |
| S5 | East Riding | Boothferry Rd. / Airmyn Rd, Goole | Roadside | 473573 | 424055 | 32 | 31 | 30 | 28 | 23.2 |
| S6 | East Riding | Lairgate (No. 22) Beverley | Kerbside | 503082 | 439640 | 26 | 28 | 24 | 24 | 18.1 |
| S7 | East Riding | Wed. Market / Lord Roberts Rd, Beverley | Kerbside | 503560 | 439503 | 29 | 27 | 29 | 27 | 20.6 |
| S8 | East Riding | Queensgate (No.1), Beverley | Kerbside | 503064 | 439001 | 30 | 28 | 27 | 27 | 21.1 |
| S9 | East Riding | Keldgate (No. 163), Beverley | Roadside | 503086 | 439020 | 32 | 32 | 29 | 29 | 21.2 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S10 | East Riding | Queensgate (No. 16), Beverley | Roadside | 503013 | 438913 | 29 | 27 | 24 | 25 | 20.4 |
| S11 | East Riding | 109 Norwood, Beverley | Roadside | 503553 | 440373 | | | | 21 | 16.4 |
| S12 | East Riding | Wylies Rd/Manor Rd. Roundabout, Beverley | Kerbside | 503034 | 440037 | 16 | 20 | 14 | 15 | 12.3 |
| S13 | East Riding | New Walkergate / Wilbert Lane, Beverley | Kerbside | 503447 | 439647 | 24 | 23 | 22 | 21 | 16.6 |
| S14 | East Riding | Hengate / New Walkergate, Beverley | Kerbside | 503154 | 439880 | 21 | 26 | 26 | 24 | 18.5 |
| S15 | East Riding | Exchange St, Driffield. Traffic lights by Market Place | Kerbside | 502269 | 457754 | | | | 24 | 20 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|---|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S16 | East Riding | Keldgate/George Odey Court, Beverley | Kerbside | 503521 | 439142 | 18 | 20 | 19 | 19 | 14.3 |
| S17 | East Riding | Swinemoor Lane (No. 2), Beverley | Kerbside | 504749 | 439792 | 32 | 32 | 27 | 29 | 20 |
| S18 | East Riding | Jasmine Cottage, Hatkill Lane, Full Sutton | Kerbside | 474542 | 455384 | | 19 | 18 | 15 | 10.6 |
| S19 | East Riding | Old School Cottage, 11 School Lane, Kirk Ella | Kerbside | 501830 | 429752 | | | | 15 | 11.9 |
| S20 | East Riding | Front Street (No.45) Middleton on the Wolds | Kerbside | 494244 | 449418 | 35 | 35 | 31 | 32 | 24.5 |
| S21 | East Riding | 72 Main Street, Skidby | Kerbside | 501373 | 433695 | | | | 15 | 11.9 |
| S22 | East Riding | Boothferry Rd (A614), Howden | Kerbside | 474900 | 427902 | 34 | 35 | 32 | 30 | 25.1 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|---|-----------|-------------------------|--------------------------|---|-----------|-----------|-----------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S23 | East Riding | Holly Dene, A1079, Wilberfoss | Kerbside | 473125 | 450659 | | | | | 15.3 |
| S24 | East Riding | 38 Main Street, Bubwith | Kerbside | 471394 | 436339 | | | | | 14.7 |
| S25 | East Riding | Argyle House, 270 Northgate, Cottingham | Kerbside | 504100 | 433232 | | | | | 20 |
| S26 | East Riding | Albion Court/Grovehill Rd. Roundabout, Beverley | Kerbside | 504738 | 439744 | 23 | 23 | 21 | 19 | 16.6 |
| S27 | East Riding | Hull Rd (No. 3), Saltend | Kerbside | 515781 | 429027 | 26 | 31 | 27 | 27 | 22.6 |
| S28 | East Riding | A63/Gibson Lane North, Melton | Kerbside | 496997 | 426490 | 46 | 52 | 41 | 41 | 31.5 |
| S29 | East Riding | 3 Beverley Road, Driffild | Kerbside | 502309 | 457081 | | 30 | 28 | 27 | 22.2 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|-----------|-----------|-----------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S30 | East Riding | Swinemoor Lane / Barmston Road, Beverley | Kerbside | 504637 | 440017 | 28 | 26 | 26 | 23 | 19.9 |
| S31 | East Riding | Stonepit Lodge, Windmill Hill, Driffild | Roadside | 502215 | 458409 | | | | 20 | 17.4 |
| S32 | East Riding | Swinemoor Rbt./ Swinemoor Lane, Beverley | Kerbside | 504194 | 440932 | 20 | 20 | 21 | 20 | 14.9 |
| S33 | East Riding | Swinemoor Lane (No. 9), Beverley | Kerbside | 504697 | 439882 | 32 | 35 | 34 | 29 | 23.7 |
| S34 | East Riding | Swinemoor Lane (No. 83), Beverley | Kerbside | 504505 | 440305 | 19 | 18 | 18 | 17 | 13.4 |
| S35 | East Riding | A63 East (The Old Foundry), Welton | Kerbside | 495626 | 427060 | 48 | 50 | 42 | 40 | 30 |
| S36 | East Riding | 18 Station Road, Pocklington | Kerbside | 480188 | 448778 | | | | 19 | 13.9 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S37 | East Riding | HSBC, A1033 (Queen Street), Withernsea | Kerbside | 534034 | 428009 | | 20 | 20 | 19 | 15.1 |
| S38 | East Riding | Eastgate (No. 28), Beverley | Kerbside | 503632 | 439417 | 16 | 17 | 16 | 16 | 12.5 |
| S39 | East Riding | North Bar Without (No. 12), Beverley | Kerbside | 502851 | 439951 | 22 | 20 | 22 | 19 | 14.3 |
| S40 | East Riding | A614 Roundabout, Nafferton | Kerbside | 505211 | 459992 | | | | 23 | 18 |
| S41 | East Riding | Railway St. (No. 12), Beverley | Kerbside | 503597 | 439565 | 26 | 26 | 22 | 24 | 17.9 |
| S42 | East Riding | Flemingate House, Beverley | Kerbside | 503879 | 439241 | 26 | 27 | 26 | 25 | 18.4 |
| S43 | East Riding | Grovehill Rd. (No. 4), Beverley | Kerbside | 503876 | 439520 | 17 | 17 | 16 | 16 | 13.8 |
| S44 | East Riding | Church Street (No.19), North Cave | Kerbside | 489434 | 432676 | | | | | 18.6 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S45 | East Riding | A63 West (Pool Bank Farm), Welton | Kerbside | 495723 | 426954 | 36 | 35 | 33 | 29 | 21.8 |
| S46 | East Riding | The Lodge, 23 Westgate, Hornsea | Roadside | 519669 | 447651 | 24 | 28 | 26 | 26 | 19.9 |
| S47 | East Riding | Main St. (No.6), Preston | Kerbside | 518649 | 430475 | 31 | 29 | 28 | 29 | 23.3 |
| S48 | East Riding | Hull Rd/Grovehill Rd. Roundabout, Beverley | Kerbside | 504775 | 439693 | 23 | 22 | 21 | 20 | 15.8 |
| S49 | East Riding | 73 Swinefleet Road, Old Goole | Kerbside | 474766 | 422543 | | | | | 14.3 |
| S50 | East Riding | Kingsgate, Bridlington | Kerbside | 517436 | 466403 | 22 | 21 | 20 | 19 | 14.8 |
| S51 | East Riding | Manor St, Bridlington | Roadside | 518258 | 466752 | 20 | 21 | 15 | 18 | 15.7 |
| S52 | East Riding | 12 Northolmby Street, Howden | Kerbside | 474616 | 428347 | | | | | 13.7 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|---|-----------|-------------------------|--------------------------|---|-----------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S53 | East Riding | Church Hill Rd. (No.5), Middleton on the Wolds | Roadside | 494543 | 449616 | 35 | 33 | 32 | 31 | 21.9 |
| S54 | East Riding | Church Hill Rd. (No.14), Middleton on the Wolds | Kerbside | 494675 | 449632 | 28 | 29 | 26 | 25 | 19.5 |
| S55 | East Riding | Reynolds Close (No. 17), Melton | Kerbside | 496872 | 426518 | 24 | 27 | 22 | 21 | 16.7 |
| S56 | East Riding | A63 eastbound, opposite Shell Grand Dale | Kerbside | 496771 | 426527 | | | 37 | 35 | 24.4 |
| S57 | East Riding | 102 High Street, Rawcliffe | Kerbside | 468165 | 422932 | | | | | 15.1 |
| S58 | East Riding | 2 Market Place, South Cave | Kerbside | 492244 | 431032 | | 33 | 32 | 30 | 22.3 |
| S59 | East Riding | 69 Southgate, Hornsea | Kerbside | 519971 | 447581 | | 41 | 35 | 34 | 27.7 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S60 | East Riding | Ash Tree House, Staddlethorpe Lane, Gilberdyke | Kerbside | 483507 | 428557 | | | | | 12.3 |
| S61 | East Riding | A63 Eastbound, cycle sign, Welton | Kerbside | 495732 | 426997 | | | 41 | 40 | 30.5 |
| S62 | East Riding | Newlands Farm, Main Street, Wetwang | Kerbside | 493089 | 459101 | | | | 18 | 13.5 |
| S63 | East Riding | Shiptonthorpe Arms B&B, York Road, Shiptonthorpe | Kerbside | 485087 | 443176 | | | 19 | 17 | 12.8 |
| S64 | East Riding | Roundabout, 253 Beverley Road, Anlaby | Kerbside | 502951 | 429192 | | | | 26 | 17.7 |
| S65 | East Riding | Church Street (No. 38), North Cave | Kerbside | 489260 | 432576 | 23 | 23 | 21 | 21 | 15 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S66 | East Riding | Market Place (No. 19), South Cave | Kerbside | 492243 | 431116 | 30 | 30 | 25 | 26 | 18.5 |
| S67 | East Riding | Woodgates Lane (No. 35), North Ferriby | Kerbside | 498492 | 426550 | 36 | 35 | 31 | 29 | 21.8 |
| S68 | East Riding | First Lane/Hull Road, Hessle | Kerbside | 504084 | 426533 | 31 | 30 | 27 | 29 | 22.5 |
| S69 | East Riding | Junction of Westgate and York Road, Driffeld | Kerbside | 501958 | 458165 | | | | 18 | 14 |
| S70 | East Riding | Southgate (No. 56), Hornsea | Kerbside | 520021 | 447520 | | | 26 | 25 | 19.1 |
| S71 | East Riding | 100 Gibson Lane, Melton | Kerbside | 496860 | 425815 | | 18 | 17 | 17 | 19.2 |
| S72 | East Riding | A63 west (Melton Grange), Melton | Kerbside | 497222 | 426412 | 39 | 36 | 32 | 31 | 25.1 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S73 | East Riding | 7 Jenny Brough Lane, Hessle | Kerbside | 502101 | 427375 | | | | | 13.3 |
| S74 | East Riding | Market Square, Stamford Bridge, traffic light | Roadside | 471133 | 455578 | | | 25 | 24 | 17.8 |
| S75 | East Riding | Tranby Lane / Beverley Road, Anlaby | Kerbside | 502951 | 428700 | | | | | 14.4 |
| S76 | East Riding | A1035 at roundabout, Hornsea | Kerbside | 519827 | 447680 | | | 22 | 23 | 17.8 |
| S77 | East Riding | Victoria Rd (No.94), Beverley | Kerbside | 502593 | 437505 | 29 | 26 | 25 | 25 | 18 |
| S78 | East Riding | Beast Fair (No. 6), Snaith | Kerbside | 464192 | 422112 | | | 34 | 33 | 26.5 |
| S79 | East Riding | Weeland Villas (No. 23), Pontefract Road, Snaith | Roadside | 463715 | 421929 | | | 21 | 18 | 13.8 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|-----------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S80 | East Riding | Selby Road (No. 15), Snaith | Kerbside | 464163 | 422151 | | | 32 | 30 | 23.5 |
| S81 | East Riding | The Limes, Staithes Road, Preston | Kerbside | 516824 | 429457 | | | 19 | 19 | 16.3 |
| S82 | East Riding | Glencoe Villas (No. 6), Hull Road, Hedon | Roadside | 516957 | 428795 | | | 22 | 23 | 19.5 |
| S83 | East Riding | 20 Baynard Avenue, Cottingham | Kerbside | 503979 | 432852 | | | | | 14 |
| S84 | East Riding | 57 Flemingate, Beverley | Kerbside | 504063 | 439233 | | | | | 14.8 |
| S85 | East Riding | 149 Holme Church Lane, Beverley | Kerbside | 504488 | 439562 | | | | | 12.1 |
| S86 | East Riding | Main Street, Cherry Burton | Kerbside | 499170 | 442062 | | | | | 14.5 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|--------------------|---|------------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S87 | East Riding | 41 Northside, Patrington | Roadside | 531349 | 422779 | | | | | 13.2 |
| S88 | East Riding | 7 North Street, Leven | Roadside | 510541 | 445402 | | | | | 11.5 |
| S89 | East Riding | Main Street, Catwick | Kerbside | 512768 | 445479 | | | | | 14.2 |
| S90 | East Riding | 1 Corner Farm, Main Street, Brandesburton | Kerbside | 511628 | 447614 | | | | | 11.9 |
| S91 | East Riding | 64 Scarborough Road, Bridlington | Kerbside | 517024 | 468184 | | | | | 16.9 |
| S92 | East Riding | Bridlington Road, Flamborough | Kerbside | 522368 | 470226 | | | | | 11.6 |
| 1 | North Lincolnshire | Frodingham Road | Urban Background | 489099 | 411723 | 25 | 21 | 19 | 21 | 23.8 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|--------------------|---|------------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| 2 | North Lincolnshire | Scotter Road (North side of roundabout) | Roadside | 487239 | 411259 | 28 | 24 | 24 | 24 | 21.5 |
| 3 | North Lincolnshire | B & Q | Roadside | 486699 | 411110 | 20 | 22 | 19 | 18 | 17.5 |
| 4 | North Lincolnshire | Hilton Ave | Roadside | 486928 | 411156 | 24 | 22 | 20 | 20 | 19 |
| 5 | North Lincolnshire | Britannia Corner | Urban Background | 489190 | 411285 | 25 | 26 | 24 | 24 | 21.5 |
| 6 | North Lincolnshire | Oswald Road | Urban Background | 489209 | 411118 | 27 | 24 | 23 | 24 | 21.5 |
| 7 | North Lincolnshire | Queensway Pub | Roadside | 489172 | 409926 | 27 | 25 | 24 | 22 | 21.2 |
| 8 | North Lincolnshire | Ashby Road | Roadside | 489112 | 409463 | 29 | 27 | 25 | 26 | 22.5 |
| 9 | North Lincolnshire | Queensway | Roadside | 491628 | 408658 | 21 | 19 | 19 | 20 | 17.8 |
| 10 | North Lincolnshire | Mortal Ash Hill | Roadside | 491838 | 408641 | 38 | 35 | 34 | 34 | 28.5 |
| 11 | North Lincolnshire | Front of Ashby Lodge Pub | Roadside | 491859 | 408645 | 20 | 22 | 20 | 20 | 20.7 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|--------------------|--------------------------|------------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| 12 | North Lincolnshire | Barnard Avenue Brigg | Roadside | 499975 | 407421 | 26 | 26 | 20 | 20 | 17.1 |
| 13 | North Lincolnshire | Ulceby Road Killingholme | Roadside | 514573 | 415901 | 31 | 20 | 17 | 17 | 18.2 |
| 14 | North Lincolnshire | School Road Killingholme | Roadside | 514782 | 415971 | 31 | 27 | 28 | 29 | 26.4 |
| 15 | North Lincolnshire | Humber Rd Chip shop | Urban Background | 515452 | 416107 | 21 | 19 | 20 | 18 | 16.6 |
| 16 | North Lincolnshire | Humber Rd | Roadside | 515279 | 416085 | 26 | 25 | 26 | 25 | 23.4 |
| 17 | North Lincolnshire | Holydyke Barton | Suburban | 503048 | 421907 | 23 | 22 | 20 | 21 | 17.6 |
| 18 | North Lincolnshire | Rowland Road AQ station | Industrial | 490316 | 410837 | 17 | 16 | 16 | 15 | 13.7 |
| 19 | North Lincolnshire | Rowland Road AQ station | Industrial | 490316 | 410837 | 17 | 15 | 16 | 15 | 13.4 |
| 20 | North Lincolnshire | Rowland Road AQ station | Industrial | 490316 | 410837 | 17 | 15 | 15 | 15 | 13.7 |
| 21 | North Lincolnshire | ASDA Carlton Street | Roadside | 490080 | 411258 | 23 | 22 | 21 | 22 | 19.4 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|--------------------|-------------------------------------|------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| 22 | North Lincolnshire | East Halton Road Killingholme | Roadside | 514141 | 417483 | | | 21 | 21 | 22 |
| WL1 | West Lindsey | 3 Lea Road, Gainsborough | Roadside | 481526 | 389077 | 26.6 | 32.7 | 24.6 | 22.8 | 16.3 |
| WL2 | West Lindsey | 58 Etherington Street, Gainsborough | Roadside | 481688 | 389770 | 18.2 | 20.9 | 18.6 | 19 | 14.4 |
| WL3 | West Lindsey | 19 Spring Gardens, Gainsborough | Roadside | 481721 | 389935 | 20.8 | 25.3 | 20.6 | 17.3 | 14.2 |
| WL4 | West Lindsey | Heaton Street | Roadside | 481555 | 389891 | 21 | 26.5 | 21.4 | 20.7 | 15.2 |
| WL5, WL6, WL7 | West Lindsey | Gainsborough Cemetery, Gainsborough | Industrial | 482021 | 389974 | 12.3 | 14.6 | 11.5 | 11.3 | 9.1 |
| WL8 | West Lindsey | Cherry Tree, Gainsborough | Kerbside | 481500 | 390400 | 15.2 | 17.6 | 15 | 14.7 | 11.9 |
| WL9 | West Lindsey | Walkerith | Rural | 479811 | 392738 | 12.7 | 13.2 | 11.7 | 11.5 | 9.5 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|--|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| WL10 | West Lindsey | Marshall Way, Gainsborough | Roadside | 483062 | 389224 | 14.9 | 19.5 | 16.8 | 15 | 12 |
| WL11 | West Lindsey | 53 Caistor Rd/ Galamore Lane, Market Rasen | Roadside | 510681 | 389675 | 19.8 | 23 | 17.1 | 16.3 | 11.2 |
| WL12 | West Lindsey | Lammas Leas Lane, Market Rasen | Roadside | 510840 | 388610 | 17.2 | 20 | 17.2 | 14.8 | 12 |
| WL13 | West Lindsey | Beechers Way, Market Rasen | Roadside | 510851 | 388475 | 12.6 | 15.5 | 12.8 | 12.3 | 9.9 |
| WL14 | West Lindsey | Queen Street | Roadside | 510866 | 389106 | - | - | - | 28.8 | 24.4 |
| S1 | Kingston Upon Hull City Council | Dairycoates | Roadside | 507865 | 427719 | - | 28.4 | 28.7 | 26.9 | 22.8 |
| S2 | Kingston Upon Hull City Council | Humber Dock Street | Kerbside | 509735 | 428435 | - | 25.3 | 23.7 | 25.9 | 21.4 |
| S3 | Kingston Upon Hull City Council | Courtney Street | Kerbside | 510715 | 430246 | - | 33.5 | 33.5 | 30.6 | - |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|-----------------------------|------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S4 | Kingston Upon Hull City Council | Spruce Road | Roadside | 509131 | 428244 | - | 33.5 | 33.5 | 30.6 | 23.6 |
| S5 | Kingston Upon Hull City Council | Tadman Street | Kerbside | 508524 | 427975 | - | 30.2 | 28.8 | 26 | 22.9 |
| S6 | Kingston Upon Hull City Council | Hessle Rd | Roadside | 508140 | 427802 | - | 29 | 29.2 | 29.5 | 23.5 |
| S7 | Kingston Upon Hull City Council | Ice House Road | Kerbside | 508905 | 428502 | - | 25 | 20.7 | 19.9 | 17.8 |
| S8, S9, S10 | Kingston Upon Hull City Council | ABP Hull C (moved 7/8/2020) | Industrial | 513309 | 429319 | - | | | | 19.5 |
| S11 | Kingston Upon Hull City Council | Daltry St | Roadside | 508489 | 427986 | - | 30.7 | 28.8 | 29.5 | 23 |
| S12 | Kingston Upon Hull City Council | Cambridge Street | Roadside | 508921 | 428659 | - | 33.7 | 33.5 | 36 | 31.2 |
| S13 | Kingston Upon Hull City Council | Princes Dock Side | Roadside | 509727 | 428473 | - | 34.1 | 37.7 | 36.9 | 30.3 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|------------------------------|------------------|-------------------------|--------------------------|---|-------------|-------------|-------------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S14 | Kingston Upon Hull City Council | Castle st (Road) | Kerbside | 509917 | 428437 | - | 46.8 | 41.5 | 36.3 | 26.1 |
| S15 | Kingston Upon Hull City Council | Castle st (Wall) | Urban Centre | 509913 | 428446 | - | 35.9 | 33.2 | 31.5 | 30.7 |
| S16 | Kingston Upon Hull City Council | Lowgate | Kerbside | 510039 | 428687 | - | 36.3 | 33 | 31.9 | 24.2 |
| S17, S18, S19 | Kingston Upon Hull City Council | Francis Street (AQMS) C | Urban Background | 509482 | 429322 | - | 24.9 | 22.9 | 22.9 | 18.9 |
| S20 | Kingston Upon Hull City Council | Spring Bank | Kerbside | 508819 | 429372 | - | 31.3 | 32 | 28.7 | 23.4 |
| S21 | Kingston Upon Hull City Council | Park Street/Londesborough St | Roadside | 508780 | 428925 | - | 25 | 26.5 | 26.7 | 21.3 |
| S22 | Kingston Upon Hull City Council | Paragon Square (Road) | Kerbside | 509273 | 428811 | - | 38.8 | 38.2 | 40.1 | 32.8 |
| S23 | Kingston Upon Hull City Council | Paragon Square (Cenotaph) | Roadside | 509299 | 428797 | - | 32.1 | 29.8 | 30.4 | 23.2 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|----------------------|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S24 | Kingston Upon Hull City Council | St Stephens Crossing | Roadside | 509186 | 428904 | - | 52.3 | 45.4 | 45.2 | 33.2 |
| S25 | Kingston Upon Hull City Council | Ashcombe Rd | Roadside | 508698 | 434348 | - | 23.4 | 21.3 | 19.6 | 15.2 |
| S26 | Kingston Upon Hull City Council | County Rd | Roadside | 506590 | 430671 | - | 25 | 25.6 | 25.1 | 19.4 |
| S27 | Kingston Upon Hull City Council | Calvert Lane | Kerbside | 505914 | 429362 | - | 25.9 | 27.3 | 25.5 | 21.1 |
| S28 | Kingston Upon Hull City Council | HRI | Kerbside | 508413 | 428659 | - | 29.7 | 28.2 | 27.1 | 24.3 |
| S29 | Kingston Upon Hull City Council | Anlaby Road | Kerbside | 507345 | 428738 | - | 35.5 | 35.9 | 33.7 | 28.1 |
| S30 | Kingston Upon Hull City Council | Plimsoll Way | Roadside | 510721 | 428732 | - | 23.9 | 24.9 | 23.6 | 18.3 |
| S31 | Kingston Upon Hull City Council | Hedon Rd (Road) | Kerbside | 512269 | 429295 | - | 26.2 | 24.2 | 23.8 | 19.9 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|-----------------------|------------|-------------------------|--------------------------|---|-------------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S32 | Kingston Upon Hull City Council | Southcoates Lane | Kerbside | 511681 | 430396 | - | 25.9 | 27.5 | 26.5 | 24.6 |
| S33 | Kingston Upon Hull City Council | Marfleet Lane | Roadside | 513924 | 430381 | - | 28.3 | 26.3 | 23.9 | 19.6 |
| S34 | Kingston Upon Hull City Council | Princes Ave | Kerbside | 508233 | 429887 | - | 29.2 | 32.1 | 25.8 | 23.9 |
| S35 | Kingston Upon Hull City Council | Blanket Row 2 | Roadside | 509876 | 428349 | - | 20.6 | 19.2 | 19.7 | 15.8 |
| S36 | Kingston Upon Hull City Council | Hedon Road/Marfleet | Roadside | 514129 | 429321 | - | 47.2 | 39.1 | 36.7 | 31.9 |
| S37 | Kingston Upon Hull City Council | Hedon Road/Valetta St | Background | 514387 | 429162 | - | 35.3 | 34.6 | 34.3 | 28.5 |
| S38 | Kingston Upon Hull City Council | Askew Ave | Kerbside | 505781 | 427896 | - | 23.5 | 18.5 | 20.1 | 14.6 |
| S39 | Kingston Upon Hull City Council | Fortune Close | Kerbside | 512678 | 432075 | - | 15.8 | 17.2 | 16.7 | 13.9 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|-----------------------------------|------------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S40 | Kingston Upon Hull City Council | Cavendish Rd | Kerbside | 511951 | 432090 | - | 26.3 | 23.8 | 21.8 | 17.5 |
| S41 | Kingston Upon Hull City Council | Leads Rd Roundabout | Background | 511529 | 433117 | - | 35.9 | 31.9 | 27.4 | 23.9 |
| S42 | Kingston Upon Hull City Council | Sutton Rd | Roadside | 508299 | 432952 | - | 30.5 | 29.2 | 26.6 | 21.8 |
| S43 | Kingston Upon Hull City Council | Wetherby Close | Kerbside | 506972 | 433172 | - | 14.3 | 14.2 | 13.3 | 11.4 |
| S44 | Kingston Upon Hull City Council | Hall Rd - Marfleet Junction (7/7) | Kerbside | 514113 | 429329 | - | 22.4 | 35.4 | 29.8 | 27.4 |
| S45 | Kingston Upon Hull City Council | Kingswood School | Roadside | 510211 | 434794 | - | 24 | 18.1 | 19 | 17.2 |
| S46 | Kingston Upon Hull City Council | Newland Bridge | Roadside | 508276 | 430730 | - | 25.3 | 26.3 | 24 | 19.7 |
| S47 | Kingston Upon Hull City Council | Beverley Rd | Other | 508603 | 431582 | - | 35.1 | 32 | 30.9 | 26.4 |

| Diffusion Tube ID | Local Authority | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|-------------------|---------------------------------|-----------------------|-----------|-------------------------|--------------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| S48 | Kingston Upon Hull City Council | Stoneferry Road | Kerbside | 510380 | 431236 | - | 38 | 34.2 | 34.6 | 29.8 |
| S49 | Kingston Upon Hull City Council | Guildhall/St Geo | Kerbside | 510054 | 428839 | - | 20.5 | 21.8 | 26.3 | 14.4 |
| S50 | Kingston Upon Hull City Council | Inglemire Lane | Kerbside | 507876 | 432075 | - | 17.1 | 17.4 | 17.3 | 13.8 |
| S51 | Kingston Upon Hull City Council | Glebe Rd | Kerbside | 510317 | 431730 | - | 39.3 | 39.5 | 38.2 | 32.7 |
| S52 | Kingston Upon Hull City Council | North Road Roundabout | Kerbside | 506448 | 427484 | - | | 20.1 | 21.8 | 17.6 |
| S53 | Kingston Upon Hull City Council | Calvert Station | Kerbside | 506018 | 428892 | - | | 27.9 | 23.2 | 17.9 |

Table 6.2.2 presents the local authority automatic NO₂ monitoring data for years 2016 to 2020 extracted from the most recently available Air Quality Annual Status Reports. Exceedances of the AQS objectives are shown in bold. One hour mean exceedances are shown in brackets.

Table 6.2.2 – Local Authority Automatic Monitoring Data – NO₂

| Site ID | Local Authority | Site Name | X OS Grid Ref | Y OS Grid Ref | Site Type | Annual Average NO ₂ Concentration (µg/m ³) | | | | |
|---------|---------------------------------|---------------------------|---------------|---------------|------------------|---|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| CM 1 | North Lincolnshire | Scunthorpe Town AURN | 490320 | 410831 | Industrial | 17 | 16 | 18 | 15 | 13 |
| CM 3 | North Lincolnshire | Low Santon | 492945 | 411931 | Industrial | 19 | 18 | 20 | 19 | 20 |
| CM 6 | North Lincolnshire | Killingholme School | 514880 | 416133 | Other | 17 | 17 | 18 | 15 | 13 |
| GC | West Lindsey | Gainsborough Cemetery | 482021 | 389974 | Industrial | 13.7 | 14.8 | 6.9 | 7.5 | 5.5 |
| CM 1 | Kingston Upon Hull City Council | Hull ABP | 513309 | 429319 | Industrial | - | - | - | - | 25.3 |
| CM 2 | Kingston Upon Hull City Council | Hull Freetown (AURN) | 509482 | 429322 | Urban background | - | 23.6 | 22 | 22 | 18 |
| CM 3 | Kingston Upon Hull City Council | Hull Holderness Rd (AURN) | 511794 | 430511 | Roadside | - | 29 | 27 | 26 | 21 |

Table 6.2.3 presents the local authority automatic PM₁₀ monitoring data for years 2016 to 2020 extracted from the most recently available Air Quality Annual Status Reports. Exceedances of the AQS objectives are shown in bold. 24 hour mean exceedances are shown in brackets.

Table 6.2.3 – Local Authority Automatic Monitoring Data – PM₁₀

| Site ID | Local Authority | Site Name | X OS Grid Ref | Y OS Grid Ref | Site Type | Annual Average PM ₁₀ Concentration (µg/m ³) | | | | |
|-----------|---------------------------------|----------------------|---------------|---------------|------------------|--|---------|---------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| CM1 BAM | North Lincolnshire | Scunthorpe Town AURN | 490320 | 410831 | Industrial | 17 | 16 | 18 | 20 | 17 |
| CM1 TEO M | North Lincolnshire | Scunthorpe Town AURN | 490320 | 410831 | Industrial | 17 | 17 | 20 | 22 | 17 |
| CM2 | North Lincolnshire | East Common Lane | 490663 | 409789 | Urban Background | 20 | 18 | 21 | 22 | 19 |
| CM3 FDM S | North Lincolnshire | Low Santon | 492945 | 411931 | Industrial | 22 | 23 | 25 | 22 | 21 |
| CM3 TEO M | North Lincolnshire | Low Santon | 492945 | 411931 | Industrial | 26 | 30 (40) | 31 (40) | 29 | 29 |
| CM4 | North Lincolnshire | Amvale | 491343 | 408782 | Industrial | 17 | 16 | 20 | 21 | 22 |
| CM5 | North Lincolnshire | High Street East | 490224 | 411301 | Industrial | 21 | 19 | 22 | 21 | 18 |
| CM6 | North Lincolnshire | Killingholm School | 514880 | 416133 | Other | 18 | 18 | 19 | 19 | 15 |
| CM7 | North Lincolnshire | South Ferriby | 497931 | 420993 | Other | 21 | 18 | 16 | 18 | 14 |
| CM1 | Kingston Upon Hull City Council | Hull ABP | 513309 | 429319 | Industrial | - | - | - | - | 16.9 |

| Site ID | Local Authority | Site Name | X OS Grid Ref | Y OS Grid Ref | Site Type | Annual Average PM ₁₀ Concentration (µg/m ³) | | | | |
|---------|---------------------------------|---------------------------|---------------|---------------|------------------|--|------|------|------|------|
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| CM2 | Kingston Upon Hull City Council | Hull Freetown (AURN) | 509482 | 429322 | Urban background | - | - | - | 15 | 15 |
| CM3 | Kingston Upon Hull City Council | Hull Holderness Rd (AURN) | 511794 | 430511 | Roadside | - | 17 | 20 | 21 | 20 |

References

- Ref 6.1 - Institute of Air Quality Management (2014) IAQM Guidance on the assessment of dust from demolition and construction. Institute of Air Quality Management, London.

National Grid plc,
1-3 Strand,
London.
WC2N 5EH United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com