

Viking CCS pipeline

# Preliminary Environmental Information Report Volume IV

Technical Appendices



Appendix 12.2

# Preliminary Assessment Overview



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## 12 Preliminary Assessment Overview

### 12.1 Pipeline Preliminary Assessment

*Table 12-1: Pipeline Delivery Preliminary Assessment Overview*

| Task          | ATC Site No. Ref | Receptor No. | Name                           | Sensitivity | Count      | Route Section | Base 2022 - All Vehicles | Base 2026 - All Vehicles | Base 2022 - HGVs | Base 2026 - HGVs | Construction - All Vehicles | Construction - HGV | All Vehicles | HGVs | Impact          |
|---------------|------------------|--------------|--------------------------------|-------------|------------|---------------|--------------------------|--------------------------|------------------|------------------|-----------------------------|--------------------|--------------|------|-----------------|
| Pipe Delivery | Site 9           | 1            | Holton le Clay                 | High        | 24hr AA DT | Section 3     | 10797                    | 11412                    | 1287             | 1360             | 28                          | 28                 | 0.2%         | 2%   | Not Significant |
| Pipe Delivery | Site 21          | 2            | St Hugh's Hospital             | Very High   | 24hr AA DT | Section 3     | 15485                    | 16368                    | 1396             | 1476             | 28                          | 28                 | 0.2%         | 2%   | Not Significant |
| Pipe Delivery | Site 42          | 3            | Industrial Area                | Negligible  | 24hr AA DT | Section 1     | 7027                     | 7428                     | 1846             | 1951             | 28                          | 28                 | 0.4%         | 1%   | Not Significant |
| Pipe Delivery | Site 44          | 4            | Truckstop MSA/Local Businesses | Medium      | 24hr AA DT | Section 1     | 12990                    | 13730                    | 5235             | 5533             | 43                          | 43                 | 0.3%         | 1%   | Not Significant |
| Pipe Delivery | Site 49          | 5            | A180/A16 Grimsby Town Centre   | High        | 24hr AA DT | Section 1     | 28737                    | 30375                    | 1437             | 1519             | 28                          | 28                 | 0.1%         | 2%   | Not Significant |

## 12.2 Construction Preliminary Assessment

**Table 12-2: Construction Preliminary Assessment Overview**

| ATC Site No. Ref | Receptor No. | Name                        | Sensitivity |           | Route Section | Base 2022 | Base 2027 | Base 2022 - HGVs | Base 2027 - HGVs | Construction - All Vehicles | Construction - HGV | All Vehicles | HGVs  | Impact          |
|------------------|--------------|-----------------------------|-------------|-----------|---------------|-----------|-----------|------------------|------------------|-----------------------------|--------------------|--------------|-------|-----------------|
| Site 6           | 6            | Local Farm                  | Low         | 24hr AADT | Section 3     | 5973      | 6373      | 926              | 988              | 38                          | 38                 | 0.60%        | 4%    | Not Significant |
| Site 8           | 7            | Waltham/Brigsley            | High        | 24hr AADT | Section 3     | 2572      | 2744      | 203              | 217              | 53                          | 19                 | 1.94%        | 9%    | Not Significant |
| Site 9           | 8            | Holton le Clay              | Medium      | 24hr AADT | Section 3     | 10797     | 11520     | 1287             | 1373             | 170                         | 0                  | 1.48%        | 0.00% | Not Significant |
| Site 10          | 9            | Properties off Thoroughfare | Medium      | 24hr AADT | Section 3     | 229       | 244       | 18               | 19               | 53                          | 19                 | 21.8%        | 99%   | Significant     |
| Site 11          | 10           | Local Properties            | Low         | 24hr AADT | Section 3     | 1687      | 1800      | 263              | 281              | 88                          | 19                 | 4.9%         | 7%    | Not Significant |
| Site 12          | 11           | Local Properties/Businesses | Low         | 24hr AADT | Section 3     | 5259      | 5611      | 895              | 955              | 34                          | 0                  | 0.61%        | 0.0%  | Not Significant |
| Site 13          | 12           | Local Properties/Businesses | Low         | 24hr AADT | Section 3     | 11384     | 12147     | 1421             | 1516             | 86                          | 19                 | 0.71%        | 1%    | Not Significant |

| ATC Site No. Ref | Receptor No. | Name                              | Sensitivity |           | Route Section | Base 2022 | Base 2027 | Base 2022 - HGVs | Base 2027 - HGVs | Construction - All Vehicles | Construction - HGV | All Vehicles | HGVs | Impact          |
|------------------|--------------|-----------------------------------|-------------|-----------|---------------|-----------|-----------|------------------|------------------|-----------------------------|--------------------|--------------|------|-----------------|
| Site 18          | 13           | Local Businesses                  | Low         | 24hr AADT | Section 2     | 3292      | 3513      | 531              | 567              | 38                          | 38                 | 1.08%        | 7%   | Not Significant |
| Site 21          | 14           | St Hugh's Hospital                | Very High   | 24hr AADT | Section 3     | 15485     | 16522     | 1396             | 1490             | 11                          | 0                  | 0.07%        | 0%   | Not Significant |
| Site 27          | 15           | Ludborough                        | Low         | 24hr AADT | Section 3     | 3666      | 3912      | 640              | 683              | 35                          | 19                 | 0.90%        | 3%   | Not Significant |
| Site 28          | 16           | Fotherby                          | Low         | 24hr AADT | Section 4     | 15211     | 16230     | 1810             | 1931             | 71                          | 38                 | 0.44%        | 2%   | Not Significant |
| Site 29          | 17           | Louth Bypass                      | Medium      | 24hr AADT | Section 4     | 13812     | 14737     | 801              | 855              | 38                          | 0                  | 0.26%        | 0%   | Not Significant |
| Site 31          | 18           | Legbourne                         | Very High   | 24hr AADT | Section 5     | 3799      | 4054      | 384              | 410              | 11                          | 0                  | 0.27%        | 0%   | Not Significant |
| Site 32          | 19           | Local Villages - Witheren/Strubby | High        | 24hr AADT | Section 5     | 2451      | 2615      | 239              | 255              | 11                          | 0                  | 0.42%        | 0%   | Not Significant |
| Site 34          | 20           | Farms/Local Properties            | Medium      | 24hr AADT | Section 5     | 4172      | 4452      | 385              | 411              | 11                          | 0                  | 0.25%        | 0%   | Not Significant |

| ATC Site No. Ref | Receptor No. | Name                           | Sensitivity |           | Route Section | Base 2022 | Base 2027 | Base 2022 - HGVs | Base 2027 - HGVs | Construction - All Vehicles | Construction - HGV | All Vehicles | HGVs | Impact          |
|------------------|--------------|--------------------------------|-------------|-----------|---------------|-----------|-----------|------------------|------------------|-----------------------------|--------------------|--------------|------|-----------------|
| Site 37          | 21           | Caravan Parks/Maltby the Marsh | High        | 24hr AADT | Section 5     | 6280      | 6701      | 570              | 608              | 11                          | 0                  | 0.16%        | 0%   | Not Significant |
| Site 47          | 22           | Local Properties               | Low         | 24hr AADT | Section 5     | 9355      | 9982      | 1292             | 1379             | 49                          | 38                 | 0.49%        | 3%   | Not Significant |
| Site 49          | 23           | A180/A16 Grimsby Town Centre   | High        | 24hr AADT | Section 2     | 28737     | 30663     | 1437             | 1533             | 11                          | 0                  | 0.04%        | 0%   | Not Significant |