



Humber Low Carbon Pipelines

Preliminary Environmental Information Report
Volume III Appendix 9.1 Geology and Hydrogeology
October 2022

nationalgrid

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Appendix 9.1

Table 9.1: Site Survey Locations

<u>Section 1 – Drax to Keadby</u>	Latitude	Longitude	Access Comments	Nearest Postcode	Date Visited	Observations
Possible AGI (AGI options at DRAX not on GIS -TBC)	N/A	N/A		YO8 8FP	21/07/2022	Arable Land - topography relatively flat
Historic Landfill (10) – Drax Power Station New Road (EAHLD05289)	53.744	-0.989		YO8 8FP	21/07/2022	Forest - dense vegetation
Active/Recent Landfill, DRAX Power Station	53.751	-0.994		YO8 8FP	21/07/2022	Forest - dense vegetation
Historic Sewage Works (217)	53.742	-0.964	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN14 7HX	N/A	Grassland - topography relatively flat, old infrastructure related to sewage works left in situ with vegetation growing throughout
River Aire Crossing North	53.717	-0.933		YO8 8PS	21/07/2022	Arable Land - topography relatively flat with ditches bordering field,

						embankment at river higher in elevation (~1-2 m)
River Aire Crossing South	53.717	-0.932	Access not granted. Surveyed via APEM data.	YO8 8PS	N/A	Arable Land - topography relatively flat with ditches bordering field, embankment at river higher in elevation (~1-2 m)
A645 Crossing North	53.710	-0.942		YO8 8PS	21/07/2022	Arable Land - topography relatively flat with ditches bordering field
A645 Crossing South	53.709	-0.944		YO8 8PS	21/07/2022	Arable Land - topography relatively flat with ditches bordering field
M62 Crossing North	53.695	-0.947	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN14 8QU	N/A	Arable Land - topography relatively flat with ditches bordering field
M62 Crossing South	53.694	-0.946	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN14 8QU	N/A	Arable Land - topography relatively flat with ditches bordering field
Dutch River & Aire and Calder Navigation Crossing North	53.687	-0.925	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN14 8SW	N/A	Arable Land - topography relatively flat within field with ditches bordering but there are embankments approx. 2-3 m surrounding river channel
Dutch River & Aire and Calder	53.685	-0.923		DN14 8SW	21/07/2022	Arable Land - topography relatively flat within field with ditches bordering

Navigation Crossing South						but there are embankments approx. 2-3 m surrounding river channel
Railway Crossing West	53.679	-0.906	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	N/A	N/A	Arable land - topography of field flat but railway line raised approx. 1.5 m above field
Railway Crossing East	53.679	-0.904	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	N/A	N/A	Arable land - topography of field flat but railway line raised approx. 1.5 m above field
Abandon historical railway	53.657	-0.822		DN14 8DS	21/07/2022	N/A
Possible pumping station (55)	53.651	-0.820		DN14 8DS	21/07/2022	Arable Land - topography relatively flat
A161 Crossing West	53.621	-0.807		N/A	21/07/2022	Arable Land - topography relatively flat with ditches bordering field
A161 Crossing East	53.621	-0.806		N/A	21/07/2022	Arable Land - topography relatively flat with ditches bordering field
<u>Section 2 – Keadby to Scunthorpe</u>	Latitude	Longitude	Access Comments	Nearest Postcode	Date Visited	Observations
Sheffield and South Yorkshire	53.592	-0.784	Survey attempted - inaccessible to surveyor on the	DN17 4DG	N/A	Arable land - topography relatively flat in field, railway line approx. 0.5-1 m raised

Navigation Crossing North			day. Surveyed via APEM data.			
Sheffield and South Yorkshire Navigation Crossing South	53.590	-0.783	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN17 4DG	N/A	Arable land - topography relatively flat in field, railway line approx. 0.5-1 m raised
Possible AGI (3)/Refuse heap at Keadby between two AGIs (138)/Landfill (21)	53.601	-0.785	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN17 4DG	N/A	Uneven topography - raised from surrounding area by several metres with dense vegetation
Three Rivers Crossing North	53.582	-0.777		DN17 4DH	21/07/2022	Grassland - topography relatively flat within field, three rivers have raised embankments approx. 1 m
Three Rivers Crossing South	53.578	-0.775	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN17 4DH	N/A	Arable land - topography relatively flat within field, three rivers have raised embankments approx. 1 m
M180 Crossing North	53.555	-0.762	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN9 1QW	N/A	Grassland - topography relatively flat within field, M180 raised approx. 1 m from field

M180 Crossing South	53.554	-0.762	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN9 1QW	N/A	Arable land - topography of field relatively flat but M180 raised approx. 2 m from field
Sewage works (284)	53.539	-0.757	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN17 3LJ	N/A	Dense vegetation bordering site on all sides, overgrown vegetation within and infrastructure present
River Trent Crossing West	53.538	-0.745		DN17 3JY	21/07/2022	Arable land - topography relatively flat. River Trent approx. 2-3 m higher in elevation than the field
River Trent Crossing East	53.537	-0.741		DN17 3JY	21/07/2022	Arable land - topography relatively flat. River Trent approx. 1-1.5 m higher in elevation than the field
Northfield Road Crossing West	53.540	-0.656	Access not granted. Surveyed via APEM data.	N/A	N/A	Arable Land - topography relatively flat
Northfield Road Crossing East	53.540	-0.654		DN17 3SH	21/07/2022	Arable Land - topography relatively flat
British Steel - Unspecified works (36)	53.568	-0.591	Access not granted. Surveyed via APEM data.	N/A	N/A	Arable Land - topography relatively flat

<u>Section 3 – Scunthorpe to Killingholme</u>	Latitude	Longitude	Access Comments	Nearest Postcode	Date Visited	Observations
Possible AGI (4)	53.568	-0.589	Access not granted. Surveyed via APEM data.	N/A	N/A	Arable Land - topography relatively flat
Possible AGI (6)	53.566	-0.589	Access not granted. Surveyed via APEM data.	N/A	N/A	Arable Land - topography relatively flat
Possible AGI (5)	53.542	-0.619		DN16 3RE	22/07/2022	Arable Land - topography relatively flat
Historic landfill – Brigg Road (EAHLD34433)	53.524	-0.613		DN21 4JX	22/07/2022	Arable Land - topography relatively flat
A15 Crossing West	53.521	-0.556	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN20 9NJ	N/A	Arable Land - topography relatively flat with ditches bordering field
A15 Crossing East	53.521	-0.555	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN20 9NJ	N/A	Arable Land - topography relatively flat with ditches bordering field
Railway Crossing West	53.539	-0.509		DN20 9AA	22/07/2022	Arable Land - topography relatively flat - railway slightly higher elevation

Railway Crossing East	53.537	-0.508	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN20 9AA	N/A	Arable Land - topography relatively flat - railway slightly higher elevation
Sewage works (267)	53.530	-0.523	Access not granted. Surveyed via APEM data.		N/A	N/A
Possible pumping station (54)	53.539	-0.509		DN20 9AA	22/07/2022	Arable Land - topography relatively flat
River Ancholme Crossing West	53.537	-0.502		DN20 9AA	22/07/2022	Raised embankments ~2-3 m along the River, arable land, relatively flat
River Ancholme Crossing East	53.539	-0.499		DN20 9AA	22/07/2022	Raised embankments ~2-3 m along the River, terrain in field dense with vegetation, uneven
A1084 Crossing South	53.552	-0.444		DN20 9HE	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
A1085 Crossing North	53.553	-0.440		DN20 9HE	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
Railway Crossing West	53.555	-0.434	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN20 9HE	N/A	Arable Land - topography relatively flat - railway slightly higher elevation

Railway Crossing East	53.554	-0.431	Survey attempted - inaccessible to surveyor on the day. Surveyed via APEM data.	DN20 9HE	N/A	Arable Land - topography relatively flat - railway slightly higher elevation
A1077 Crossing West	53.620	-0.341		DN39 6XU	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
A1077 Crossing East	53.622	-0.340		DN39 6XU	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
A18 Crossing West	53.581	-0.322		DN37 8LJ	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
A18 Crossing East	53.580	-0.319		DN37 8LJ	22/07/2022	Arable Land - topography relatively flat with ditches bordering field
Railway Crossing South	53.602	-0.317		DN39 6YE	22/07/2022	Arable Land - topography relatively flat - railway slightly higher elevation
Railway Crossing North	53.606	-0.319		DN39 6YE	22/07/2022	Arable Land - topography relatively flat - railway slightly higher elevation
A180 Crossing South	53.609	-0.323	Surveyed via APEM data - inaccessible to surveyor on the day of survey.	DN39 6SU	N/A	Arable Land - topography relatively flat - road at a slightly lower elevation
A180 Crossing North	53.610	-0.324	Surveyed via APEM data - inaccessible to surveyor on the day of survey.	DN39 6SU	N/A	Arable Land - topography relatively flat - road at a slightly lower elevation

AGIs	53.601	-0.317		DN39 6ST	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
College Road Crossing West	53.657	-0.326		DN19 7LP	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
College Road Crossing East	53.657	-0.323		DN19 7LP	25/07/2022	Arable Land - topography relatively flat with ditches bordering field, some areas of uneven terrain.
Possible AGI/pumping station (8)	53.662	-0.256		DN40 3LU	25/07/2022	Arable Land - topography relatively flat with ditches bordering field, some areas of uneven terrain.
Disused Airfields (28)	53.573	-0.342	Access not granted.	N/A	N/A	N/A
<u>Section 4 – Killingholme to Hedon (Humber Crossing)</u>	Latitude	Longitude	Access Comments	Nearest Postcode	Date Visited	Observations
Humber Crossing South	53.693	-0.274		DN19 7NQ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
Humber Crossing North	53.710	-0.208		HU12 8AX	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
Historical Brickworks (392) to the right and north of parking	53.692	-0.267		DN19 7NQ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
Possible AGI/pumping station (19)	53.733	-0.227	Access not granted. Surveyed via APEM	HU12 8AA	N/A	Arable Land - topography relatively flat with ditches bordering field

			data/previous visit to site.			
Possible AGI/pumping station (18)	53.731	-0.203	Access not granted. Surveyed via APEM data/previous visit to site.	HU12 8AA	N/A	Arable Land - topography relatively flat with ditches bordering field
Possible AGI/pumping station (16)	53.731	-0.200	Access not granted. Surveyed via APEM data/previous visit to site.	HU12 8AA	N/A	Arable Land - topography relatively flat with ditches bordering field
Possible AGI/pumping station (17)	53.717	-0.187	Access not granted. Surveyed via APEM data/previous visit to site.	HU12 8AA	N/A	Arable Land - topography relatively flat with ditches bordering field
Possible AGI/pumping station (23)	53.710	-0.188	Access not granted. Surveyed via APEM data/previous visit to site.	HU12 8AA	N/A	Arable Land - topography relatively flat with ditches bordering field
<u>Section 5 – Hedon to Easington</u>	Latitude	Longitude	Access Comments	Nearest Postcode	Date Visited	Observations
Gas Valve Compound (903)	53.710	-0.215		HU12 8AX	22/07/2022	Operational Gas Works.

Abandoned historic railway (6)	53.706	0.011		N/A	N/A	N/A
Pumping stations	53.735	-0.099	Surveyed via APEM data - inaccessible to surveyor on the day of survey.	HU12 0AZ	N/A	Arable Land - topography relatively flat
A1033 Crossing West	53.728	-0.191		HU12 8QZ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
A1033 Crossing East	53.728	-0.190		HU12 8QZ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
A1033 Crossing North	53.692	0.001		HU19 2QJ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
A1033 Crossing South	53.690	N/A		HU19 2QJ	25/07/2022	Arable Land - topography relatively flat with ditches bordering field
Natural Gas Terminal (29)	53.663	0.106		HU12 0ED	25/07/2022	Operational Gas Works.
AGIS Easington	N/A	N/A		HU12 0ED	25/07/2022	Arable land - relatively flat topography. Wind turbines bordering location. Sections of terrain uneven.

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