



Application by H2 Teesside Limited for an Order Granting Development Consent for the construction of an up to 1.2-Gigawatt Thermal (GWth) Carbon Capture and Storage enabled Hydrogen Production Facility, together with associated connections, including a pipeline network to distribute hydrogen to local offtakers and temporary construction compound areas, on land in Redcar and Cleveland, Stockton-on-Tees, and Hartlepool.

The components of this proposed development are as set out in more detail below:

- Work Number ('No.')
1 – a Hydrogen Production Facility of up to approximately 1.2 GWth lower heating value, including two carbon capture enabled hydrogen units each of 600 megawatts thermal, including a water and effluent treatment plant; above ground hydrogen storage; administration, control room and stores; gas and power connections, above ground installations and ancillary works.- Work No. 2 – a natural gas supply connection for the transport of natural gas to Work No. 1.
- Work No. 3 – electrical connection works for the import of electricity from the electricity transmission network to Work No. 1.
- Work No. 4 – water supply connection works to provide cooling and make-up water to Work No. 1.
- Work No. 5 – wastewater disposal works in connection with Work No. 1.
- Work No. 6 – a hydrogen distribution network (the 'Hydrogen Pipeline Corridor'), for the transport of hydrogen gas from Work No. 1, comprising underground and overground pipelines to supply hydrogen to the above ground storage and offtakers across Teesside. The hydrogen pipelines will run up to tie-in points with the relevant offtaker (likely to be, but not necessarily having to be) at the offtakers' site boundaries. Any works beyond this tie-in point will be progressed separately by the relevant offtaker.
- Work No. 7 – a high pressure carbon dioxide (CO₂) export pipeline for the export of the captured CO₂ from Work No. 1 to the adjacent Northern Endurance Partnership infrastructure (on the adjacent Net Zero Teesside Project site).
- Work No. 8 – gas connections being works for the transport of oxygen and nitrogen to Work No.1.
- Work No. 9 – temporary construction and laydown areas and contractor compounds.
- Work No. 10 – access and highways improvement works.
- Work No. 11 – replacement land relating to Work No. 6.

In addition, there will also be further development works associated with the above elements of the Proposed Development.

The Examining Authority's (ExA) Record of Unaccompanied Site Inspection (USI) 1 that took place on 24 June 2024.

The Lead Panel Member of the ExA undertook the inspection by car and on foot on public roads and Public Rights of Way (PRoW). The routes were planned having regard to the Applicant's Environmental Statement (ES) and enabled the Lead Panel Member of the ExA to obtain views of the application site and surrounding areas from the locations detailed. Timings are approximate.

Viewpoint (VP) locations are as indicated on Application Document entitled 'Environmental Statement – Chapter 16 (Landscape and Visual Amenity)', as identified within the text and as set out in Table 16-3 (Representative Viewpoints) within that document [APP-069], with the Lead Panel Member also considering the information as detailed in the ES Volume II Figures: 16-1 'Landscape Context' [APP-165]; 16-2 'Landscape Character' [APP-166]; 16-4 'Topography' [APP-168]; and 16-5 'Zone of Theoretical Visibility and Representative Viewpoint Locations' [APP-169]; The following documents were also considered: Winter Viewpoint Photography (specifically Figure 16-6-10a) [APP-170]; and Summer Viewpoint Photography (specifically Figure 16-6-10b) [APP-171].

Locations of designated and non-designated heritage assets were noted along the route, as detailed in the ES Volume II Figures 17-1 'Location of Designated Heritage Assets' [AS-020] and 17-2 'Location of Non-Designated Heritage Assets' [AS-021]. The Environmental Noise Survey Locations and Noise Constraints (ES Volumes II Figure 11-1 Noise Sensitive Receptors [APP-142]; Figure 11-2 Construction Noise Contours [APP-143]; and Figure 11-3 Operational Noise Contours [APP-144]) were also noted along the route.

Date	Time	VP	Weather Conditions	Location / Route
US11				
24/06/24	10.30am	-	Dry, sunny, no cloud, clear visibility.	Starting US1 from Morrisons Supermarket Car Park, Berwick Hills Centre, Ormesby Road, Middlesbrough TS3 7RL driving to Meadowgate, Middlesbrough TS6 9JP.
24/06/24	10.45am	VP10	Dry, sunny, no cloud, clear visibility.	Arrived at Meadowgate, Eston, Middlesbrough TS6 9JP. Leaving car walked south along Meadowgate and into Southgate. Continued into open space, over footbridge that crosses the A174 and then walked up to Eston Nab following Public Rights of Way (PRoW) 102/55/3, 102/55/2, 122/55/1 and 122/32/1 to VP10 (Eston Nab). Return on foot via PRoW 122/145/1, 122/35/2, 122/55/1 and 102/55/2 returning over the footbridge that crosses the A174 and then walked along Southgate and Meadowgate returning to vehicle. Leaving Meadowgate, Eston Middlesbrough TS6 9JP to travel to Fry Street (St), Middlesbrough TS1 1JH.

Date	Time	VP	Weather Conditions	Location / Route
24/06/24	1.30pm	-	Dry, sunny, no cloud, clear visibility.	Arriving at Fry St, Middlesbrough TS1 1JH and end of US11.