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**DWD**

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Dear Mr Wheadon

**THE NET ZERO TEESSIDE ORDER 2024 (S.I. 2024 NO. 174) (THE 'ORDER')**

**PROPOSED APPLICATION FOR A NON-MATERIAL CHANGE IN RESPECT OF SCHEDULE 1 'AUTHORISED DEVELOPMENT' AND SCHEDULE 2 REQUIREMENT 4 'WORK NO. 3 DETAILS' OF THE ORDER**

**LAND AT AND IN THE VICINITY OF THE FORMER REDCAR STEEL WORKS SITE (TEESWORKS SITE), REDCAR AND IN STOCKTON-ON-TEES**

**Introduction**

I write on behalf of Net Zero Teesside Power Limited and Net Zero North Sea Storage Limited, together the 'Undertaker' under the Order, in accordance with The Planning Act 2008 (the 'PA 2008') and The Infrastructure Planning (Changes to, and Revocation of, Development Consent Orders) Regulations 2011 (the '2011 Regulations'), to advise the Secretary of State for Energy Security and Net Zero ('DESNZ') that the Applicants propose to submit an application for a non-material change ('NMC') to The Net Zero Teesside Order 2024 (S.I. 2024 No. 174) (the 'Order').

The Order granted consent for the construction, operation and maintenance of the Net Zero Teesside Project ('NZT' or 'the Project'), including associated development on land at and in the vicinity of the former Redcar Steel Works site, Redcar and in Stockton-on-Tees, on Teesside (the 'Site'). The former Steel Works site, along with other land required for the Proposed Development, lies within the boundary of the land controlled by the South Tees Development Corporation ('STDC'), which is now known as 'Teesworks'.

A request for a Correction Order, was issued by the Applicants to DESNZ in respect of the Order on 27 March 2024. At the time of submitting this letter, a decision is pending on the Correction Order. If granted, the requested Correction Order would correct minor drafting and typographical errors within the Order.

Copies of the Order and the draft Correction Order accompany this letter.

The Applicants have also submitted a separate letter (also dated 22 July 2024) pursuant to Regulation 7(3) of the 2011 Regulations, relating to their consultation and publicity proposals in respect of the proposed non-material change application.

This remainder of this letter:

- describes the proposed non-material changes;
- assesses the materiality of the changes having regard to the guidance on changes to Development Consent Orders (Department for Communities and Local Government – Planning Act 2008: Guidance on Changes to Development Consent Orders);
- sets out the proposed scope of the non-material change application;
- sets out the proposals for consultation (see also the Applicants’ Regulation 7(3) letter; and
- outlines an indicative programme for the application.

The Secretary of State is requested to confirm if he agrees the Applicants’ assessment of the materiality of the changes, the proposed scope of the non-material change application and the Applicants’ proposals for consultation and publicity as set out in the Regulation 7(3) letter.

### The Proposed Non-Material Changes

The proposed non-material change application will seek the following changes (together ‘the Proposed Changes’) to Schedule 1 ‘Authorised Development’ of the Order:

- **Change 1** – The addition of ‘Work No. 6A’ which would comprise an Above Ground Installation (‘AGI’) for the CO<sub>2</sub> gathering network and associated apparatus to be located at Seal Sands and the addition of ‘Work No 9G’ consisting of a temporary construction laydown area to be located on land adjacent to the new AGI at Work No. 6A. The proposed AGI under Work No. 6A is located within the existing Order Limits, with the proposed temporary laydown area requiring new land to be included within the Order Limits. The temporary laydown is needed to facilitate the construction of the AGI.
- **Change 2** – An extension to the area allocated for Work No. 2B (natural gas AGI) at the CATS Terminal (Seal Sands). This minor expansion of the proposed AGI area for Work No. 2B follows further detailed land discussions with interested parties and is located entirely within the existing Order Limits and within the existing area of Work No. 2A (natural gas pipeline).
- **Change 3** – Within the Power, Capture and Compression (‘PCC’) Site, the Applicants propose the addition of a new AGI under Work No. 6A and the realignment of the CO<sub>2</sub> gathering network under Work No. 6. Both the new AGI and realigned CO<sub>2</sub> pipeline are located entirely within the existing Order Limits.
- **Change 4** – Areas of land to be added to existing Work No. 3A (electrical connection), including areas both within and outside the existing Order Limits. The proposed additional areas of above ground and underground high voltage (‘HV’) electrical cabling under Work No. 3A will also include two support structures adjacent to existing bridges over the Tees Valley Line, River Fleet and existing pipelines to support the cables (rather than using the existing bridges as previously specified).

In association with the Work No. 3A change set out above (Change 4), the proposed non-material change application will also request a change to Requirement 4 of Schedule 2 ‘Requirements’ of the Order, as a means to ensure that details of the two proposed cable support structures are submitted for the approval of the relevant planning authority.

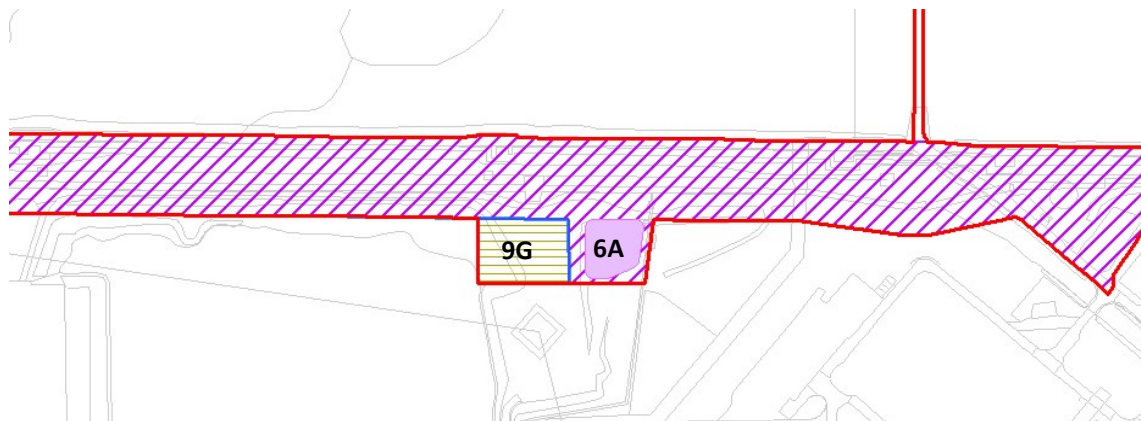
Further information on the Proposed Changes is provided in the following sections of this letter.

***Change 1: Work No. 6A (AGI at Seal Sands) & Work No. 9G (Temporary Construction Laydown Area for AGI)***

An additional AGI (Work No. 6A) is required to enable a spur line connection to potential emitters from the CO<sub>2</sub> gathering network to industrial emitters as selected by the Government. The proposed AGI will be located to the north of the Tees, at Seal Sands (as shown at **Figure 1** below). It is wholly within the existing Order Limits, and will comprise a new civil base, with the above ground apparatus will consist of piping, a PIG launcher, valves and an electrical and instrumentation kiosk. As the proposed AGI is within the Order Limits (and Order Land), and the Order already includes powers of compulsory acquisition, the Applicants are not seeking any additional or different land powers.

Work No. 9G will require the inclusion of approximately 0.26 hectares ('ha') of additional land within the Order Limits (adjacent to Work No. 6A) to be used as a temporary construction laydown area (see Figure 1). This additional land will be used for construction purposes, including for the laydown and storage of plant and materials, along with the parking of construction site personnel vehicles. Whilst the additional land is located outside the existing Order Limits, the Applicants are not seeking any compulsory acquisition powers over the land and will secure it by agreement.

***Figure 1 (Change 1) – Illustrating approximate areas for AGI (purple) Work No 6A; Laydown Area (green hatched) Work No 9G; and with the blue line showing existing Order Limits.***



***Change 2: Work No. 2B (AGI Area Extension)***

Following further discussions with interested parties associated with the natural gas connection works, the Applicants propose a minor extension to the area designated for Work No. 2B of approximately 770 m<sup>2</sup> (as shown in **Figure 2** below). The additional area proposed will be located wholly within the existing Order Limits (within the existing area of Work No. 2A (natural gas pipeline)) and therefore the Applicants will not seek changes to compulsory acquisition powers. It is considered that the new area for inclusion within Work No. 2B is insignificant in respect of the existing area of the Work No. and the wider NZT Project.

***Figure 2 (Change 2) – showing approximate area for CATS AGI area extension in green coloured area (black line depicts existing Work No. 2B area)***



**Change 3: Work No. 6 (PCC Site CO<sub>2</sub> Gathering Network Realignment) & Work No 6A (PCC Site AGI)**

Following further detailed design work, the Applicants propose the realignment of the CO<sub>2</sub> gathering network within the PCC Site as part of Work No. 6. The rerouting of the pipeline reflects the detailed design now under consideration by NZT Power Limited and its appointed contractor, and takes into account other parties' apparatus proposed to be located within the same part of the Site. A further AGI is also proposed to connect into the CO<sub>2</sub> gathering network within the southern part of the PCC Site (as shown in **Figure 3** below). The new AGI will comprise a new civil base and the above ground apparatus will consist of pipeline equipment, valves and an electrical and instrumentation kiosk. Both the CO<sub>2</sub> gathering network realignment and AGI are located within the existing Order Limits and do not require any additional or different compulsory acquisition powers.

**Figure 3 (Change 3) – Showing the realignment of Work No. 6 (black line shows existing alignment) and the addition of a new AGI within the PCC Area under Work No. 6A**



#### **Change 4: Work No. 3A (Additional HV cabling areas)**

Areas of land for the installation of the HV cable are proposed to be included within the Work No. 3A area immediately to the east of the Teesworks internal access roads, comprising a linear strip of land of approximately 1.5 ha in area and with an approximate width of 20 m to facilitate construction (see **Figure 4** below). The cabling areas will include two steel framed cable support structures adjacent to existing road bridges required in order for the cables to cross over the Tees Valley Line railway, River Fleet and existing pipelines. The need for the additional areas has arisen following detailed technical and land discussions with STDC/Teesworks, along with further detailed design work. No compulsory acquisition powers are sought in respect of the additional areas of land.

**Figure 4 (Change 4) – showing approximate additional areas for inclusion into Work No. 3A (HV cabling) blue line shows existing Order Limits.**



In order to control the cable support structures, which are to be included as part of Work No. 3A, and to ensure their design is still subject to the approval of the relevant local authority, the Applicants propose the following text (in red) is inserted into Requirement 4 (Work No. 3 details) at Schedule 2 'Requirements' of the Order:

*"(4) No part of the authorised development comprised in Work No. 3 may commence, save for the permitted preliminary works, until details of the following for that part have been submitted to and approved by the relevant planning authority (following consultation with Sembcorp and STDC)—*

*(a) the route and method of installation of the 275 kilovolt electrical cables and control system cables running from Work No. 1 to the existing substation at Tod Point;*



- (b) the connections within the existing substation at Tod Point, including electrical cables, connections to the existing busbars and new, upgraded or replacement equipment; ~~and~~*
- (c) works involving trenchless technologies including their location; and*
- (d) the siting and external appearance of support structures.”*

The Applicants will include other minor or consequential changes to the Order which are necessary in order to incorporate the additional land areas or works into it.

### **Assessment of Materiality**

Schedule 6 to the PA 2008 makes provision for the Secretary of State to grant both material and non-material changes to a DCO.

There is no statutory definition of ‘materiality’ for the purposes of either the PA 2008 or the 2011 Regulations. The Department for Communities and Local Government – Planning Act 2008: Guidance on Changes to Development Consent Orders (the ‘Guidance’) states that such decisions will inevitably depend on the circumstances of each specific case. Notwithstanding this, the Guidance sets out four examples of characteristics that are likely to indicate whether or not a change is material. These characteristics are considered in turn below.

### ***Environmental considerations***

The Guidance states that a change might be considered material if it would result in the need for an updated Environmental Statement (‘ES’) to take account of:

- a new significant effect that was not identified in the ES for the consented project; or
- a materially different effect (positive or negative) when compared to the ES for the consented project.

As stated above, it is not anticipated that the Proposed Changes will result in any new or materially different environmental effects compared to those reported in the ES for NZT.

The Applicants’ initial assessment of the Proposed Changes against the ES for the NZT Project in terms of any potential new significant environmental effects or changes to significant environmental effects reported in the ES is set out in **Tables 1 to 4** below.

**Table 1: Summary of Potential Changes in Significant Environmental Effects for Change 1 – Work No. 6A (New AGI) & Work No. 9G (Temporary Construction Laydown Area for AGI)**

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Air Quality – Chapter 8	Construction	No significant effects are predicted to occur.	No Change	<p>Construction phase emissions of dust would be similar to currently proposed emissions in terms of potential magnitude, frequency and the proximity of sensitive receptors. Dust emissions can be adequately controlled by the secured good practice measures.</p> <p>Operational phase emergency emissions of CO<sub>2</sub> will be controlled through the Environmental Permit. Any emissions will be of very short duration and very infrequent.</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Surface Water, Flood Risk and Water Resources – Chapter 9	Construction	Slight adverse (not significant).	No Change	<p>With the mitigation measures outlined in relation to the water environment in the ES, notably best practice measures in the CEMP and Water Management Plan secured through the DCO, then no adverse impact would be anticipated to surface or groundwater quality, hydromorphology or groundwater flows or water resources. No changes expected to the effects reported in the ES.</p> <p>The changes are located on land considered to be at low risk of flooding from fluvial and tidal sources and surface water. With the mitigation measures outlined in relation to flood risk in the Flood Risk Assessment and the ES adopted,</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				including best practice measures in the CEMP, no adverse impacts are anticipated to or from flood risk sources. No changes are expected to the flood risks reported in the Flood Risk Assessment.
Geology and Contaminated Land – Chapter 10	Construction	No significant effects are predicted to occur.	No Change	Construction work in North Tees (Work Nos. 6A, 9G, 2B) will take place within an area of historical sub-surface mineral working (Saltholme Brinefield) and adjacent to a number of historical industrial land uses which have already been included as part of the assessment.  The geological and hydrogeological setting of this area of the site has also already been assessed.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Noise and Vibration – Chapter 11	Construction	No significant effects are predicted to occur.	No Change	The construction of the above ground installation Work No. 6A will require use of 20t excavators and dumpers. In this location the “topsoil strip” activity that was assessed for construction of the CO <sub>2</sub> Gathering Network in the ES will occur. This “topsoil strip” activity has a higher sound power level than the plant for the construction of the AGI and therefore will have a higher predicted sound level so remains worst case and further assessment is not required.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
Terrestrial Ecology – Chapter 12	Construction	No significant effects are predicted to occur.	<p>The location of the AGI (Work No. 6A) is an area of compacted made ground. Some of the area that would be affected by land take comprises unsurfaced tracks and hard standing that are predominantly unvegetated. The wider area for the AGI comprises a closed sward of semi-improved, neutral grassland of secondary origin. There are also dense stands of bramble scrub at the margins of the grassland. Given the above context, there would be no land take from priority habitats for construction of the AGI.</p> <p>The area proposed for temporary construction laydown meets the definition for the open mosaic habitats on previously developed land (OMH) priority habitat type and is being invaded by scrub. Whilst this habitat would experience a short-term impact this remains consistent with the impact assessment in Chapter 12 of the Environmental Statement. This short duration disturbance, including loss of invading scrub, is also consistent with typical habitat management regimes or objectives for OMH i.e. the short duration impact during construction laydown is likely to benefit the habitat longer term as it will help to maintain OMH of optimal structure.</p> <p>The habitats present are not subject to any nature conservation designations, and no</p>
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>species are likely to occur that were not assessed previously in the ES in relation to works on adjacent land within the Order Limits.</p> <p>The works proposed in terms of their extent, duration or magnitude, would remain within the parameters assessed in the ES, and consequently no significant effects are predicted. The small area of habitat loss to the above ground installation is not (after application of the existing committed mitigation) likely to impact the nature conservation status of any relevant species or result in significant effects (i.e. any impact that occurs would be meaningful at the local/site scale only).</p> <p>The previously agreed ecological mitigation therefore remains suitable and would apply to the proposed activities.</p>
Aquatic Ecology and Nature Conservation – Chapter 13	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	No Change
	Operation	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
	Decommissioning	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).		
Marine Ecology and Nature Conservation – Chapter 14	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. abatement measures).	No Change	The construction of the proposed AGI was not previously assessed, but this still falls within the worst case assessment of airborne noise at that location (the “topsoil strip” activity has a higher sound power level than the plant for the construction of the AGI). Therefore, the assessment of effects to seals and other marine receptors, remains the same. Furthermore, the location of these new works is over 2 km from Seal Sands, the latter being where seals are known to haul-out and moult.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Ornithology – Chapter 15	Construction	No significant effects are predicted to occur.	No Change	The works at this location were reported in the ES as being the installation of pipeline connections on existing pipe racking only. By comparison, the installation of the proposed AGI will require approximately 0.32 ha of permanent land take that was not accounted for in the ES.  The habitats present, as assessed from site photographs, include bare ground, short grassland/ephemeral vegetation and scrub with the potential to support small numbers of breeding birds, but with no potential to support qualifying species of any designated sites. Potential non-significant impacts therefore
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>include disturbance of breeding birds, permanent losses of nesting habitat and the potential to damage or destroy nests with the potential for bird mortality and brood losses.</p> <p>A former water body to the west of the proposed AGI has been infilled and no longer provides habitat suitable for SPA or SSSI qualifying wetland bird species, therefore impacts on the Teesmouth and Cleveland Coast designations will not occur.</p>
Traffic and Transportation – Chapter 16	Construction	No significant effects are predicted to occur.	<p>No Change</p> <p>The following additional traffic movements have been identified:</p> <p><u>AGI base</u></p> <ul style="list-style-type: none"> <li>• 67 tipper movements for imported fill;</li> <li>• 54 tipper movements for ground build up, and</li> <li>• 7 x 4 concrete pours = 28 movements</li> </ul> <p>Total of 149 HGV movements one-way.</p> <p><u>Culvert</u></p> <ul style="list-style-type: none"> <li>• 55 dumper movements;</li> <li>• 2 pours per wall and 2 deliveries per pour, so 8 vehicle movements;</li> <li>• 19 precast units</li> </ul> <p>Total of 82 HGV movements one-way</p>
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>Overall total is 231 (149+82) one-way vehicle movements (231 in and 231 out), which amounts to 462 two-way movements.</p> <p>The time period is 4 to 6 months, so taking 4 months, and 20 working days per month gives a total of 80 days.</p> <p>The daily total is <math>(462/80) = 6</math> two-way movements per day, which is not considered to be a material change, noting the industrial nature of the area and the significant level of existing vehicle movements on the highway network.</p> <p>With reference to Table 16-15, 2024 Base and Growth + Committed + Proposed Peak Pipeline Construction Development Two-Way Traffic flows, from Chapter 16: Traffic and Transport from the ES (Document Ref. 6.2.16).</p> <p>The 2024 baseline level of total daily traffic on the network around Seal Sands is between 2,2567 on the B1275 Belasis Avenue and 8,361 on the A178 Seaton Carew Road.</p> <p>The Construction Traffic was then distributed onto all links to the north of the River Tees, with</p>



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>an increase of 130 total vehicles and 10 HGVs per day at the peak of construction on all links.</p> <p>This resulted in a maximum percentage increase of 5.1% in total vehicles and 13.3% in HGVs on Link 13 B1275 Belasis Avenue.</p> <p>The conclusion in paragraph 16.6.31 and 16.6.31 being that as this fell below the threshold of assessment whereby only those sensitive links that show a greater than 10% increase in total traffic flows (or HGV component) or, for all other links, a greater than 30% increase in total traffic or the HGV component are considered when assessing the traffic impact upon receptors, then no further assessment was required.</p> <p>Therefore, as the proposed additional works are predicted to increase traffic flows by 6 two-way movements per day, this is not considered to result in any material change to the above conclusions as set out in the ES Chapter and no further assessment is required.</p>
Landscape and Visual Amenity – Chapter 17	Construction	Moderate adverse ( <b>significant</b> ).	No Change
	Operation	Moderate adverse ( <b>significant</b> ).	
	Decommissioning	Moderate adverse ( <b>significant</b> ).	
			The majority of the construction work will take place within the existing Order Limits (which was previously assessed in the ES). The construction of the AGI was not assessed. The AGI works (outside the existing Order Limits)

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				will be undertaken within areas characterised by industrial structures and are likely to result in negligible to minor effects on landscape character and visual amenity. The AGI structures themselves limited in terms of scale. There will therefore be no change to the effects reported in the ES.
Archaeology and Cultural Heritage – Chapter 18	Construction	No significant effects are predicted to occur.	No Change	The majority of the construction work will take place within the existing Order Limits. The construction of the AGI was not assessed. No changes are expected to the effects reported in the ES and no additional significant effects have been identified.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Marine Heritage – Chapter 19	Construction	No significant effects are predicted to occur.	No Change	The majority of the construction work will take place within the existing Order Limits. The construction of the AGI was not assessed. No changes are expected to the effects reported in the ES and no additional significant effects have been identified.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Socio-economics – Chapter 20	Construction	Major beneficial ( <b>significant</b> ).	No Change	There will be no significant effects on socio-economic receptors above and beyond the original assessment as a result of the Proposed Changes.
	Operation	Moderate beneficial ( <b>significant</b> ).		
	Decommissioning	No significant effects are predicted to occur.		
Climate Change – Chapter 21, as amended by Cumulative	Construction	A single evaluation of GHG impact of <b>Beneficial</b> and <b>Significant</b> was made for the whole life of the Proposed Development.	No Change	The Proposed Changes will not result in any change to the effects reported in the ES.
	Operation			
	Decommissioning			

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Onshore and Offshore GHG Assessment [REP6-123]				
Major Accidents and Natural Disasters – Chapter 22	Construction	No significant effects are predicted to occur.	No Change	The Proposed Changes will not result in any change to the effects reported, given the limited scale of works proposed.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	Decommissioning of the Proposed Development is not specifically included at this stage as not enough information is known in relation to decommissioning activities. However, it is likely that impacts during the decommissioning stage would be similar to those assessed for the construction phase i.e. no significant effects are predicted to occur.		
Population and Human Health – Chapter 23	Construction	As per Chapter 20 – Major beneficial <b>(significant)</b> .	No Change	The Proposed Changes will not result in any change to the effects reported, given the limited scale of works proposed.
	Operation	As per Chapter 20 – Moderate beneficial <b>(significant)</b> .		
	Decommissioning	As per Chapter 20 – No significant effects are predicted to occur.		
Cumulative and Combined Effects – Chapter 24	Construction	Major beneficial <b>(significant)</b> – Construction employment Moderate adverse <b>(significant)</b> – Visual impact.	No Change	None of the Proposed Changes will materially affect the Zone of Influence (ZOI), magnitude of predicted impacts, relative significance of likely effects or required mitigation measures

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
	Operation	Moderate beneficial ( <b>significant</b> ) – Operation employment Moderate adverse ( <b>significant</b> ) – Visual impact.		associated with the Proposed Development. The Proposed Changes will not result in any change to the cumulative and/ or combined impacts/ effects previously assessed.
	Decommissioning	As the Proposed Development has an estimated design life of 25 years, cumulative effects during decommissioning are not considered as it is not possible to predict the developments which would be in progress at that point in time.		
Habitat Regulations Assessment (HRA)		There will be no adverse effect on the integrity of any European site either alone or in combination with other plans and projects.	No Change	The Proposed Changes will not result in any change to the effects reported given the limited scale of works proposed.  The area in question is not of importance for the birds of the Teesmouth & Cleveland Coast SPA being open mosaic habitat in an industrial setting. It is also sufficiently distant from areas of importance to SPA birds that disturbance would not arise, particularly given the active industrial setting.

**Table 2: Summary of Potential Changes in Significant Environmental Effects for Change 2 – Work No. 2B (AGI Area Extension)**

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Air Quality – Chapter 8	Construction	No significant effects are predicted to occur.	No Change	<p>The changes to the AGI area are within the existing Order Limits and Work No. 2A, but extend slightly outside the existing Works No. 2B area.</p> <p>Construction phase emissions of dust will be similar to currently proposed emissions in terms of potential magnitude, frequency and the proximity of sensitive receptors. Dust emissions can be adequately controlled by currently proposed good practice measures. There is no predicted change in operational emissions.</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Surface Water, Flood Risk and Water Resources – Chapter 9	Construction	Slight adverse (not significant).	No Change	<p>The changes to the AGI area are within the existing Order Limits and within the previously assessed parameters, but extend slightly outside the existing Works No. 2B area. No direct works are required to any watercourse in relation to this change and there are no watercourses in the immediate vicinity. With the mitigation measures outlined in relation to the water environment in the ES, notably best practice measures in the CEMP and Water Management Plan, then no change to the impacts presented in the ES Chapter 9 is anticipated to surface or groundwater quality, hydromorphology or groundwater flows or</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				<p>water resources. Similarly, no change in the outcomes of the WFD assessment are anticipated.</p> <p>This area is located on land considered to be at low risk of flooding from fluvial and tidal sources and surface water. Any construction will take place within the previously assessed parameters and work areas. Provided that all mitigation measures outlined in relation to flood risk in the Flood Risk Assessment (FRA) and the ES are adopted, including best practice measures in the CEMP, then no adverse impact are anticipated to or from flood risk sources. No changes expected to the flood risks reported in the FRA.</p>
Geology and Contaminated Land – Chapter 10	Construction	No significant effects are predicted to occur.	No Change	The changes to the AGI area are within the existing Order Limits which were assessed for geology, hydrogeology and contaminated land. Therefore, there are no changes to the effects reported for construction, operation and decommissioning.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Noise and Vibration – Chapter 11	Construction	No significant effects are predicted to occur.	No Change	The assessment has made worst case assumptions for pipeline construction in this area. This is still considered to be a worst case for construction in this area.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
Terrestrial Ecology – Chapter 12	Construction	No significant effects are predicted to occur.	<p>The proposed works represent a small increase in the footprint of the AGI area. This will not bring in any new ecological constraints that were not considered as part of the ecological assessment reported at Chapter 12 of the ES.</p> <p>The habitats present, as recently re-verified and updated by the applicant for the H2Teesside Project (PINS Application Document APP-201), are semi-improved neutral grassland and hardstanding. As such, there will be no disturbance or loss of priority habitats as a result of construction.</p> <p>The habitats present are not subject to any nature conservation designations, and no species are likely to occur that were not assessed previously in the ES in relation to works on adjacent land within the existing Order Limits.</p> <p>No works of sufficient extent, duration or magnitude are proposed that they will materially add to the parameters assessed previously, and consequently no significant effects are predicted. The small area of additional habitat disturbance and loss is not (after application of the existing committed mitigation) likely to impact the nature</p>
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			conservation status of any relevant species or result in significant effects (i.e. any impact that occurs would be meaningful at the local/site scale only).  The previously agreed ecological mitigation therefore remains suitable and will apply to the proposed activities.
Aquatic Ecology and Nature Conservation – Chapter 13	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	No Change  No waterbodies will be directly or indirectly affected during construction, operation and decommissioning, so there are no pathways for impacts on aquatic ecology.
	Operation	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	
	Decommissioning	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	
Marine Ecology and Nature Conservation – Chapter 14	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. abatement measures).	No Change  The proposed works represent a small increase in the footprint of the AGI area (Work no. 2B). However, these works still fall within the worst case assessment of airborne noise for that location. Therefore, the assessment of effects to seals and other marine receptors, remains the same.  There are no pathways for impacts on marine ecology.
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Ornithology – Chapter 15	Construction	No significant effects are predicted to occur.	No Change	<p>The location of the AGI and its immediate environs was scoped out of bird surveys on the basis that it supported sub-optimal habitats for breeding and non-breeding birds due to the limited extent of semi-natural habitat bordered by existing industrial and transport infrastructure.</p> <p>The extended AGI area will not result in any changes to the ecological effects reported, provided all best-practice construction mitigation measures proposed in the CEMP submitted as part of the NZT DCO application (measures to minimise habitat clearance/disturbance, dust, noise and emissions to ground and surface waters; and pre construction habitat checks for breeding birds) are followed.</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Traffic and Transportation – Chapter 16	Construction	No significant effects are predicted to occur.	No Change	<p>The extension of the AGI area will not change the level of construction traffic during the peak month of construction, as assessed in the ES.</p> <p>Furthermore the magnitude of the impact on the roads to the north of the River Tees as predicted in the ES is a maximum of 13.3% on Belasis Avenue (Table 16-15). This is well below the 30% increase threshold as set out in the IEMA Guidelines above which a link should be included (the increase of above 10% in</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				<p>sensitive areas rule does not apply in this case as Belasis Ave has a low sensitivity).</p> <p>Therefore, the proposed AGI extension is not considered to change any of the conclusions as set out in the ES.</p>
Landscape and Visual Amenity – Chapter 17	Construction	Moderate adverse ( <b>significant</b> ).	No Change	<p>Any construction will take place within the existing Order Limits and within the previously assessed parameters, but extend slightly outside the existing Work No. 2B area. Therefore construction will take place within previously assessed work areas. The change does not alter the impacts on landscape and visual amenity from those previously assessed within the ES. The proposed works would be undertaken within an area characterised by industrial structures. There will be no increase to the effects reported in the ES.</p>
	Operation	Moderate adverse ( <b>significant</b> ).		
	Decommissioning	Moderate adverse ( <b>significant</b> ).		
Archaeology and Cultural Heritage – Chapter 18	Construction	No significant effects are predicted to occur.	No Change	<p>Any construction will take place within the existing Order Limits and within the previously assessed parameters, but extend slightly outside the existing Work No. 2B area. Therefore construction will take place within previously assessed work areas. No archaeological remains are anticipated in this area of land reclamation and no designated or non-designated assets are situated in proximity. No changes are expected to the effects reported in the ES.</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Marine Heritage – Chapter 19	Construction	No significant effects are predicted to occur.	No Change	Any construction will take place within the existing Order Limits and within the previously assessed parameters, but extend slightly outside the existing Work No. 2B area. Therefore construction will take place within previously assessed work areas. No marine heritage is anticipated in this area and no designated or non-designated assets are situated in proximity. No changes are expected to the effects reported in the ES.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Socio-economics – Chapter 20	Construction	Major beneficial effect ( <b>significant</b> ) of net construction employment.	No Change	The extended AGI area is not expected to result in any material changes for the socio-economic receptors reviewed. The works are not expected to result in any employment effects and are unlikely to change the levels of disruption for local receptors noted in the ES.
	Operation	Moderate beneficial effect ( <b>significant</b> ) of operation employment.		
	Decommissioning	No significant effects are predicted to occur.		
Climate Change – Chapter 21, as amended by Cumulative Onshore and Offshore GHG Assessment [REP6-123]	Construction	A single evaluation of GHG impact of <b>Beneficial</b> and <b>Significant</b> was made for the whole life of the Proposed Development.	No Change	The extended AGI area will not result in any change to the effects reported in the ES.
	Operation			
	Decommissioning			
Major Accidents and Natural Disasters – Chapter 22	Construction	No significant effects are predicted to occur.	No Change	The proposed works will not result in any change to the effects reported in the ES.
	Operation	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
	Decommissioning	Decommissioning of the Proposed Development is not specifically included at this stage as not enough information is known in relation to decommissioning activities. However, it is likely that impacts during the decommissioning stage would be similar to those assessed for the construction phase i.e. no significant effects are predicted to occur.		
Population and Human Health – Chapter 23	Construction	As per Chapter 20 – Major beneficial <b>(significant)</b> .	No Change	No changes are expected as there will be no significant effects on human health receptors above and beyond the original assessment in the ES as a result of the works.
	Operation	As per Chapter 20 – Moderate beneficial <b>(significant)</b> .		
	Decommissioning	As per Chapter 20 – No significant effects are predicted to occur.		
Cumulative and Combined Effects – Chapter 24	Construction	Major beneficial <b>(significant)</b> – Construction employment Moderate adverse <b>(significant)</b> – Visual impact.	No Change	The AGI extension will not materially affect the ZOI, magnitude of predicted impacts, relative significance of likely effects or required mitigation measures associated with the Proposed Development. The works will not result in any change to the cumulative and/ or combined impacts/ effects previously assessed.
	Operation	Moderate beneficial <b>(significant)</b> – Operation employment Moderate adverse <b>(significant)</b> – Visual impact.		
	Decommissioning	As the Proposed Development has an estimated design life of 25 years, cumulative effects during decommissioning are not considered as it is not possible to predict the		



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
		developments which would be in progress at that point in time.	
Habitat Regulations Assessment		There will be no adverse effect on the integrity of any European site either alone or in combination with other plans and projects.	No Change The area in question is not of importance for the birds of the Teesmouth & Cleveland Coast SPA being open mosaic habitat in an industrial setting. It is also sufficiently distant from areas of importance to SPA birds that disturbance will not arise, particularly given the active industrial setting.

**Table 3: Summary of Potential Changes in Significant Environmental Effects for Change 3 – Work No. 6 (PCC CO<sub>2</sub> Gathering Network Realignment) & Work No 6A (PCC Site CO<sub>2</sub> AGI)**

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Air Quality – Chapter 8	Construction	No significant effects are predicted to occur.	No Change	Construction phase emissions of dust associated with the proposed works (pipeline realignment and AGI) will be similar to those assessed for the consented development in terms of potential magnitude, frequency and the proximity of sensitive receptors. The proposed works are within the previously assessed Works Nos. areas, and dust emissions can be adequately controlled by the good practice measures proposed in the NZT DCO application. There is no predicted change in operational emissions.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Surface Water, Flood Risk and Water Resources – Chapter 9	Construction	No significant effects are predicted to occur.	No Change	The proposed works are within the existing Order Limits, and within the previously assessed Works Nos. areas. No direct works are required to any watercourse in relation to the works and there are no watercourses in the immediate vicinity of them. Appropriate drainage will be provided for the AGI within the detailed drainage strategy and in keeping with the Drainage Philosophy (ES Volume III, Appendix E, Document Ref 6.4) as assessed within the ES. As such, provided that all mitigation measures outlined in relation to the water environment in the ES are adopted, notably best practice measures in the CEMP and Water Management
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>Plan, then no change to the impacts presented in the ES Chapter 9 are anticipated to surface or groundwater quality, hydromorphology or groundwater flows or water resources. Similarly, no change in the outcomes of the WFD Assessment are anticipated.</p> <p>These area in question are located on land located in Flood Zone 1 and therefore at low risk of flooding from fluvial and tidal sources. The risk of flooding from surface water in this location is also considered to be low. Any construction will take place within the consented parameters and therefore within previously assessed Work Nos. areas. Provided that all mitigation measures outlined in relation to flood risk in the FRA Assessment and the ES are adopted, including best practice measures in the CEMP, then no adverse impacts are anticipated to or from flood risk sources. No changes are expected to the flood risks reported in the FRA.</p>
Geology and Contaminated Land – Chapter 10	Construction	No significant effects are predicted to occur.	No Change
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Noise and Vibration – Chapter 11	Construction	No significant effects are predicted to occur.	No Change	The CO <sub>2</sub> pipeline construction has been assessed based on the closest distance for the corridor and receptors, this remains unchanged. There is no change to the effects reported in the ES.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Terrestrial Ecology – Chapter 12	Construction	No significant effects are predicted to occur.	No Change	This change does not introduce any new terrestrial ecology receptors or alter the potential impacts on ecology from those previously assessed. Therefore, there is no change to the effects reported. The previously agreed ecological mitigation remains suitable and will apply to the proposed works.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Aquatic Ecology and Nature Conservation – Chapter 13	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	No Change	No waterbodies will be directly or indirectly affected during construction, operation and decommissioning, so there are no pathways for an impact on aquatic ecology.
	Operation	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).		
	Decommissioning	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).		
Marine Ecology and Nature Conservation – Chapter 14	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. abatement measures).	No Change	The areas of the proposed works do not fall within the marine environment and will not result in potential effects to any waterbodies.
	Operation	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
	Decommissioning	No significant effects are predicted to occur.		Any changes in airborne sound are considered to be negligible, the location of the works being over 4 km from Seal Sands, where seals are known to haul-out and moult.
Ornithology – Chapter 15	Construction	No significant effects are predicted to occur.	No Change	The proposed works do not alter the potential pathways for impacts on birds from those previously assessed, or introduce any new bird species that were not considered previously. Therefore, there is no change to the effects reported. The previously agreed ecological mitigation remains suitable and will apply to the works.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Traffic and Transportation – Chapter 16	Construction	No significant effects are predicted to occur.	No Change	The proposed works are not predicted to result in any additional construction vehicle trips, nor will they change the peak month of construction that has been assessed within ES Chapter 16. It is therefore considered that the conclusions in the ES remain valid.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Landscape and Visual Amenity – Chapter 17	Construction	Moderate adverse <b>(significant)</b> .	No Change	The proposed works do not alter the impacts on landscape and visual amenity from those previously assessed within the ES. The works will be undertaken within an area characterised by industrial structures and are likely to result in negligible to minor effects on landscape character and visual amenity. There will be no increase to the effects reported in the ES.
	Operation	Moderate adverse <b>(significant)</b> .		
	Decommissioning	Moderate adverse <b>(significant)</b> .		
Archaeology and Cultural Heritage	Construction	No significant effects are predicted to occur.	No Change	Any construction will take place within the consented parameters and therefore within

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Chapter 18	Operation	No significant effects are predicted to occur.		previously assessed Work Nos. areas. No archaeological remains are anticipated in this area of extensive historic ground disturbance and no designated assets are situated in proximity. No changes are expected to the effects reported in the ES.
	Decommissioning	No significant effects are predicted to occur.		
Marine Heritage Chapter 19	Construction	No significant effects are predicted to occur.	No Change	The proposed works fall outside the agreed assessment area for potential impacts to marine heritage assets, which entails a 1 km study area below Mean High Water Springs. As such, there will be no impacts to known or previously unrecorded marine heritage assets.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Socio-economics Chapter 20	Construction	Major beneficial ( <b>significant</b> ).	No Change	The proposed works will not result in any change to the socio-economic effects reported in the ES, as the construction works do not affect any new socio-economic receptors that have not already been considered in the original assessment. As a result, no changes are expected to the conclusions of the ES.
	Operation	Moderate beneficial ( <b>significant</b> ).		
	Decommissioning	No significant effects are predicted to occur.		
Climate Change Chapter 21, as amended by Cumulative Onshore and Offshore GHG Assessment [REP6-123]	Construction	A single evaluation of GHG impact of <b>Beneficial</b> and <b>Significant</b> was made for the whole life of the Proposed Development.	No Change	The proposed works will not result in any change to the effects reported in the ES.
	Operation			
	Decommissioning			



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Major Accidents and Natural Disasters – Chapter 22	Construction	No significant effects are predicted to occur.	No Change	The proposed works will not result in any change to the effects reported in the ES.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	Decommissioning of the Proposed Development is not specifically included at this stage as not enough information is known in relation to decommissioning activities. However, it is likely that impacts during the decommissioning stage would be similar to those assessed for the construction phase i.e. no significant effects are predicted to occur.		
Population and Human Health – Chapter 23	Construction	As per Chapter 20 – Major beneficial <b>(significant)</b> .	No Change	No changes are expected as there will be no significant effects on human health receptors above and beyond the original assessment as a result of the proposed works.
	Operation	As per Chapter 20 – Moderate beneficial <b>(significant)</b> .		
	Decommissioning	As per Chapter 20 – No significant effects are predicted to occur.		
Cumulative and Combined Effects – Chapter 24	Construction	Major beneficial <b>(significant)</b> – Construction employment Moderate adverse <b>(significant)</b> – Visual impact.	No Change	The proposed works will not materially affect the ZOI, magnitude of predicted impacts, relative significance of likely effects or required mitigation measures associated with the Proposed Development. The works will not result in any change to the cumulative and/ or combined impacts/ effects previously assessed.
	Operation	Moderate beneficial <b>(significant)</b> – Operation employment Moderate adverse <b>(significant)</b> – Visual impact.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
	Decommissioning	As the Proposed Development has an estimated design life of 25 years, cumulative effects during decommissioning are not considered as it is not possible to predict the developments which would be in progress at that point in time.	
Habitat Regulations Assessment		There will be no adverse effect on the integrity of any European site either alone or in combination with other plans and projects.	No Change The area in question is not of importance for the birds of the Teesmouth & Cleveland Coast SPA being open mosaic habitat in an industrial setting. It is also sufficiently distant from areas of importance to SPA birds that disturbance would not arise, particularly given the active industrial setting.

**Table 4: Summary of Potential Changes in Significant Environmental Effects for Change 4 – Work No. 3A (Additional HV cabling areas)**

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Air Quality – Chapter 8	Construction	No significant effects are predicted to occur.	No Change	Construction phase emissions of dust will be similar to those assessed in the original ES in terms of potential magnitude, frequency and the proximity of sensitive receptors. Dust emissions can be adequately controlled by currently secured good practice measures. There is no predicted change in operational emissions.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Surface Water, Flood Risk and Water Resources – Chapter 9	Construction	Slight adverse (not significant).	No Change	The changes to the Order Limits for the HV cable routes are minor and within the study area originally assessed. The proposed works will require works over a culvert of the Mill Race watercourse and a new support structure over the Fleet watercourse (also known as Tees Estuary (South Bank) WFD waterbody), which enters a culvert in close proximity to the proposed South Transition Span of support structure B6. No direct works are required to either watercourse and as such there is no change to the assessment presented in ES Chapter 9 in terms of impacts to surface water quality and hydromorphology.  There is a construction compound proposed for support structure B6 between the wingwalls of the existing bridge, and although exact location details are not known this may be in relatively
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>close proximity to the Fleet watercourse. All requirements outlined in the CEMP and Water Management Plan regarding suitable buffers from watercourses and measures to control site runoff and spillage risk will be implemented in full as outlined in the ES.</p> <p>Piling is required for the support structure B6 towers with an indicative depth of 18 m. Piling may also be required for support structure B19 although details are not currently available. As outlined in the ES, any piling operations required will be subject to a works risk assessment and any potential to cause pollution to the underlying groundwater aquifer will be covered by measures to be detailed in piling method statements.</p> <p>As such, provided that all mitigation measures outlined in relation to the water environment in the ES are adopted, notably best practice measures in the CEMP and Water Management Plan, then no change to the impacts presented in the ES Chapter 9 is anticipated to surface or groundwater quality, hydromorphology or groundwater flows or water resources. Similarly, no change in the outcomes of the WFD assessment is anticipated.</p>

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				With regard to flood risk, no works of sufficient extent, duration or magnitude are proposed that will materially change the previous assessment of flood risk, and consequently no significant effects are predicted.
Geology, Hydrogeology and Contaminated Land – Chapter 10	Construction	No significant effects are predicted to occur.	No Change	The changes to the Order Limits are minor and within the study area originally assessed. Therefore, the geological hydrogeological and contaminated land setting of this area has also already been assessed.  The assessment of the distance to geology, soils and mineral receptors was 500 m and the distance to hydrogeological receptors was 1 km. The effects were considered Neutral or Slight (adverse) and these changes to the Order Limits are not expected to change the effects rating.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Noise and Vibration – Chapter 11	Construction	No significant effects are predicted to occur.	No Change	The changes to the Order Limits will bring the electrical connection works to within 485 m of residential receptors at Dormanstown. Given that the works will only be 15 m closer to these receptors than previously assessed (the distance was previously 500 m) and the effects of construction noise due to the construction of the electrical connection were assessed as negligible, it is not considered that there will be any change to the effects at these receptors.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
Terrestrial Ecology – Chapter 12	Construction	No significant effects are predicted to occur.	<p>No Change</p> <p>Minor changes are required to the Order Limits but this does not bring in any new ecological receptors or sites to those that were not considered within the ecological assessment reported in ES Chapter 12.</p> <p>The habitats present are semi-improved neutral grassland and bare ground, so there will be no disturbance or loss of priority habitats for construction.</p> <p>The habitats present are not subject to any nature conservation designations, and no species are likely to occur that were not assessed previously in the ES in relation to works on adjacent land within the Order Limits.</p> <p>No works of sufficient extent, duration or magnitude are proposed that they would materially add to the parameters or Works Nos. areas assessed previously, and consequently no significant effects are predicted. The small area of additional habitat disturbance (after application of the existing committed mitigation) is not likely to impact the nature conservation status of any relevant species or result in significant effects (i.e. any impact that occurs will be meaningful at the local/site scale only).</p>
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				The previously agreed ecological mitigation therefore remains suitable and will apply to the proposed works.
Aquatic Ecology and Nature Conservation – Chapter 13	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).	No Change	No waterbodies will be directly or indirectly affected during construction, operation and decommissioning and there are no pathways for impacts on aquatic ecology.
	Operation	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).		
	Decommissioning	No significant effects are predicted to occur with use of embedded mitigation (e.g. pollution control measures).		
Marine Ecology and Nature Conservation – Chapter 14	Construction	No significant effects are predicted to occur with use of embedded mitigation (e.g. abatement measures).	No Change	The changes to the Order Limits do not fall within the marine environment and will not therefore result in potential effects to any waterbodies.
	Operation	No significant effects are predicted to occur.		Any changes in airborne sound are considered to be negligible, the location of the proposed works being over 4 km from Seal Sands, where seals are known to haul-out and moult.  Therefore, during construction, operation and decommissioning, there are considered to be no pathways for impacts on marine ecology due to the proposed HV cable works.
	Decommissioning	No significant effects are predicted to occur.		



Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
Ornithology – Chapter 15	Construction	No significant effects are predicted to occur.	No Change	<p>The proposed works require minor changes to the Order Limits but this does not bring in any new ecological constraints that were not considered within the assessment in Chapter 15 of the ES.</p> <p>The species present include common and widespread breeding species that contribute to a breeding bird assemblage of local value. The extension of the Order Limits by approximately 15 m will not measurably increase the impacts on breeding birds as it includes only those marginal grassland and bare ground habitats immediately adjacent to an existing access road that are, by virtue of their position in the landscape, suboptimal.</p> <p>There is a known breeding and roosting barn owl (<i>Tyto alba</i>) location within approximately 50 m of the proposed extension, however in the context of the original scope of the proposed development works and the baseline conditions within Teesworks it is not anticipated that this extension to the Order Limits will cause any significantly elevated levels of disturbance to this species.</p> <p>The baseline surveys for NZT identified use of the open habitats to the south-east and east of</p>
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
			<p>the proposed working areas by a number of non-breeding wetland birds including lapwing (<i>Vanellus vanellus</i>), shelduck (<i>Tadorna tadorna</i>), teal (<i>Anas crecca</i>) and cormorant (<i>Phalacrocorax carbo</i>). However, subsequent surveys to support the assessment of H2Teesside have shown these species to be absent from this area and it is likely that this was a result of significant earthworks across this part of Teesworks. Therefore, no additional impacts on these species are expected to arise.</p> <p>All of the above conclusions are on the basis of the mitigation secured by the NZT DCO, in particular through Requirements 4 (Landscape and biodiversity protection management and enhancement) and 16 (Construction environmental management plan).</p>
Traffic and Transportation – Chapter 16	Construction	No significant effects are predicted to occur.	No Change
	Operation	No significant effects are predicted to occur.	
	Decommissioning	No significant effects are predicted to occur.	
			<p>No specific traffic data is available, however, the proposed works are to a significant degree the same as those assessed in the ES. It is also noted that the works will impact the A1085 Trunk Road to the south of the River Tees. With reference to the ES, the impacts in this location will be between 3 and 5%.</p>

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
				Therefore, it is considered unlikely that there will be any material impact on the conclusions in ES Chapter 16.
Landscape and Visual Amenity – Chapter 17	Construction	Moderate adverse <b>(significant)</b> .	No Change	The changes to the Order Limits are for two new cable support structures, these are minor and within the study area originally assessed. The proposed works will be undertaken within an area characterised by industrial structures and are likely to result in negligible to minor effects on landscape character and visual amenity. There will be no increase to the effects reported in the ES.
	Operation	Moderate adverse <b>(significant)</b> .		
	Decommissioning	Moderate adverse <b>(significant)</b> .		
Archaeology and Cultural Heritage – Chapter 18	Construction	No significant effects are predicted to occur.	No Change	There are no designated or non-designated assets known in the vicinity of the changes to the Order Limits. The widened HV cable route falls within an area of historically reclaimed land that has been substantially raised above the natural coastal floodplain. Any previously unrecorded non-designated archaeological remains are deeply buried below made ground. Therefore, the widened HV cable route will cause no additional impacts to any cultural heritage assets during construction, operation, or decommissioning.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	No significant effects are predicted to occur.		
Marine Heritage – Chapter 19	Construction	No significant effects are predicted to occur.	No Change	The changes fall outside of the agreed assessment area for potential impacts to marine

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
	Operation	No significant effects are predicted to occur.		heritage assets, which entails a 1 km study area below Mean High Water Springs. As such, there will be no impacts to known or previously unrecorded marine heritage assets.
	Decommissioning	No significant effects are predicted to occur.		
Socio-economics – Chapter 20	Construction	Major beneficial ( <b>significant</b> ).	No Change	The widened HV cable route could cause a slight increase in the number of construction workers required. However, this will be a limited increase in the context of the total construction workforce and will not change the original classification of effects. Therefore, there will be no significant effects on socio-economic receptors above and beyond the original assessment as a result of the changes.
	Operation	Moderate beneficial ( <b>significant</b> ).		
	Decommissioning	No significant effects are predicted to occur.		
Climate Change – Chapter 21, as amended by Cumulative Onshore and Offshore GHG Assessment [REP6-123]	Construction	A single evaluation of GHG impact of <b>Beneficial</b> and <b>Significant</b> was made for the whole life of the Proposed Development.	No Change	The changes will not result in any change to the effects reported. The assessment is already sufficient to cover the risk of the proposed works.
	Operation			
	Decommissioning			
Major Accidents and Natural Disasters – Chapter 22	Construction	No significant effects are predicted to occur.	No Change	The changes will not result in any change to the effects reported in the ES.
	Operation	No significant effects are predicted to occur.		
	Decommissioning	Decommissioning of the Proposed Development is not specifically included at this stage as not enough information is		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application		Potential change in effect as a result of the proposed changes	Reasoning
		known in relation to decommissioning activities. However, it is likely that impacts during the decommissioning stage would be similar to those assessed for the construction phase i.e. no significant effects are predicted to occur.		
Population and Human Health – Chapter 23	Construction	As per Chapter 20 – Major beneficial <b>(significant)</b> .	No Change	No changes are expected as there will be no significant effects on human health receptors above and beyond the original assessment as a result of the works.
	Operation	As per Chapter 20 – Moderate beneficial <b>(significant)</b> .		
	Decommissioning	As per Chapter 20 – No significant effects are predicted to occur.		
Cumulative and Combined Effects – Chapter 24	Construction	Major beneficial <b>(significant)</b> – Construction employment Moderate adverse <b>(significant)</b> – Visual impact.	No Change	The proposed works will not materially affect the ZOI, magnitude of predicted impacts, relative significance of likely effects or required mitigation measures associated with the Proposed Development. The works will not result in any change to the cumulative and/ or combined impacts/ effects previously assessed.
	Operation	Moderate beneficial <b>(significant)</b> – Operation employment Moderate adverse <b>(significant)</b> – Visual impact.		
	Decommissioning	As the Proposed Development has an estimated design life of 25 years, cumulative effects during decommissioning are not considered as it is not possible to predict the developments which would be in progress at that point in time.		

Environmental Topic	Residual Effect as reported in the original Environmental Statement that accompanied the DCO application	Potential change in effect as a result of the proposed changes	Reasoning
Habitat Regulations Assessment		No Change	There will be no adverse effect on the integrity of any European site either alone or in combination with other plans and projects.  The areas in question are not of importance for the birds of the Teesmouth & Cleveland Coast SPA being open mosaic habitat in an industrial setting. They are also sufficiently distant from areas of importance to SPA birds that disturbance will not arise, particularly given the active industrial setting.

### ***Habitats and Protected Species***

The Guidance states that a proposed change to a project might be considered material if it would invoke a need for a Habitats Regulations Assessment ('HRA'), or the need for a new or additional licence in respect of European Protected Species.

The DCO application for NZT included a 'Habitats Regulations Assessment Report' (Application Document Ref. 5.13), which considered whether there would be any Likely Significant Effects ('LSE'), which may arise from the Proposed Development, either alone or in combination with other plans or projects, upon any European designated site. The HRA Report concluded that with the identified mitigation measures in place to address construction / decommissioning noise and construction and decommissioning and operational water quality impacts on the Teesmouth & Cleveland Coast SPA / Ramsar, there will be no adverse effect on the integrity of any European site either alone or in combination with other plans and projects. The Secretary of State's decision letter on NZT confirmed that she was satisfied that NZT will not lead to any adverse effect on the relevant SACs, SPAs or Ramsar site (paragraph 5.11).

The Applicants have reviewed the HRA Report in light of the Proposed Changes and will also undertake a review of any new plans or projects within the relevant study area since the NZT DCO was granted. It is not considered that the matters which were considered in the HRA Report (and Secretary of State's decision-making on Habitats Regulations matters) will be impacted or altered by the Proposed Changes.

Further to the above, no European protected species are present within the areas of Work No. 2B (natural gas AGI), Work No. 3A (HV cabling) or within the proposed areas for Work No. 6 (AGI), Work No. 6A (AGI at Seal Sands) and Work 9G (AGI construction laydown), nor will there be a consequential impact on any European protected species within the locality.

It is envisaged that there will be no material change in the conclusions of the HRA Report, though this will be verified and confirmed in the documentation supporting the non-material change application.

### ***Compulsory Acquisition***

The Guidance states that a proposed change might be considered material if it would result in a need for the compulsory acquisition of any land that was not authorised through the existing DCO.

The Proposed Changes do require some additional land to be included within the Order Limits for Work Nos. 3A and 9G, however, there are no proposed additions or alterations to the powers of compulsory acquisition included in the Order. The Applicants have been engaging with the relevant landowners in relation to the Proposed Changes, in some cases changes have arisen from these discussions.

### ***Impacts on Business and Residents***

The Guidance makes clear that the potential impact of a proposed change on businesses and local residents will also be a consideration in determining whether a change is material. The Guidance notes that material changes might include impacts relating to visual amenity from changes to the size or height of buildings; impacts on the natural or historic environment; and impacts arising from additional traffic.

The locations of the Proposed Changes are remote from local residents, however, each lies within the vicinity of several businesses and apparatus. The Applicants do not consider that there will be any



material change to the impacts upon local residents or businesses as already assessed as a result of the Proposed Changes on the basis that:

- The proposed AGI and HV cabling would result in a negligible to minor change in the external appearance of the consented NZT Project at the respective locations. The HV cabling will be principally underground, and the cable support structures will be similar in scale and nature to existing or proposed structures in the area. Whilst the Work No. 6A AGI is 'new' apparatus within the Order Limits, it is comprised of pipes, valves and similar equipment, which is already encompassed within the Order and commonly seen with pipelines as already present in the Seal Sands area.
- There will be a negligible increase in the footprint of the NZT Project and only small areas of additional land are required for inclusion within the Order Limits, one of which is temporary for the period of construction. The total area of additional land to be added to the Order Limits via the Proposed Changes would be 1.75 ha, compared to the total Order Limits area of 247 ha. The new areas of land proposed to be added to the Order Limits are shown on the submitted 'Site Comparison Plan – Ref. NZT\_240514\_P118' for reference.
- It is not anticipated that there will be any material change to the environmental effects reported in the ES or new significant environmental effects (as set out in Tables 1 to 4 above).
- There will be no change to the construction programme duration.
- The changes are very limited and immaterial when considered within the context of the overall consented NZT Project.

For the reasons set out above, it is considered that the Proposed Changes are therefore non-material.

#### Proposed Scope of the Non-material Amendment Application

The proposed scope of the non-material amendment application is set out in **Table 5** below:

**Table 5: Proposed NMC application documents**

No.	Document Title	Scope
1.	Application Statement	<p>The Application Statement will provide:</p> <ul style="list-style-type: none"> <li>• Details of the Proposed Changes and the rationale for the changes.</li> <li>• An overview of the assessment of the Proposed Changes in environmental terms and a comparison with the environmental effects assessed for the consented NZT Project; and</li> <li>• Details of engagement with key stakeholders and consultees in respect of the Proposed Changes.</li> <li>• Drawings showing the areas relating to the Proposed Changes.</li> </ul>

2	ES Addendum/supplementary document	This will provide a detailed assessment of the Proposed Changes in environmental terms against the environmental effects assessed for the consented NZT Project and reported in the original ES.
3.	Draft Amendment Order	A draft Amendment Order in the form that the Undertaker requests to reflect the Proposed Changes.
4.	Tracked Change Version of the Order	A copy of the Order which highlights in track changes the amendments required for the Proposed Changes.
5.	Regulation 4 Checklist	Confirming how the application complies with the requirements of Regulation 4(2) of the 2011 Regulations.
6.	Consultation and Publicity Documentation	<ul style="list-style-type: none"> <li>• Relevant documentation confirming the scope of consultation in accordance with Regulation 7 and Regulation 7(3) of the 2011 Regulations.</li> <li>• A copy of the newspaper notice(s) as required in accordance with Regulation 6 of the 2011 Regulations.</li> </ul>
7.	Revised and additional certified documents	<p>Some of the documents which are to be certified by the Secretary of State under the Order (as per Schedule 14) need to be updated to reflect the revised Order Limits. Some will be updated, and others will be supplemented by additional document or plan. The certified documents anticipated to be revised or supplemented are:</p> <ul style="list-style-type: none"> <li>• Works Plans – revised</li> <li>• Land Plans – revised</li> <li>• Book of Reference – revised</li> <li>• Application Guide – revised</li> <li>• Design and Access Statement – revised</li> <li>• Supplementary Environmental Statement</li> <li>• Access and Rights of Way Plans - Revised</li> <li>• Sembcorp Pipeline Corridor protective provisions supporting plan</li> <li>• Sembcorp Protection Corridor protective provisions supporting plan</li> </ul>

The Applicants will inform DESNZ (and PINS) of the size of the non-material change application documents closer to the date of submission of the application.

### **Proposed Consultation**

The Applicants have had regard to the Guidance and as noted above this letter is accompanied by a separate letter and proposed list of consultees for the Secretary of State to consider pursuant to Regulation 7(3) of the 2011 Regulations.

In parallel with the issue of this letter, the Applicants have notified the relevant local planning authorities (Stockton-on-Tees Borough Council ('STBC') and Redcar and Cleveland Borough Council ('RCBC')) via email, of the proposed non-material change application, including highlighting the areas where the Proposed Changes are located. The Applicants' email to the authorities invites any early-stage comments or questions with regard to the proposed NMC application and which the Applicants will take into account as appropriate. The Applicants have also been liaising with the relevant landowners for the areas affected by the Proposed Changes. The Applicants would draw the Secretary of State's attention to the fact that Change 2 and Change 4 have originated from landowner engagement.

Further information on the Applicants' proposed consultation for the non-material amendment application is set out below.

### ***Publicity***

At the time of submitting the non-material change application, the Applicants will publish a notice in local newspapers circulating within the vicinity of the Site for two successive weeks advertising the application, in accordance with Regulation 6 of the 2011 Regulations.

### ***Consultation***

The Guidance states that for a proposed non-material change application, the applicant must consult those persons specified in the 2011 Regulations. This is done by sending them a copy of the notice publicising the application. Those who must be notified include all those who were notified (in accordance with Section 56 of the PA 2008) when the original application was accepted by the Secretary of State. Notwithstanding this, the 2011 Regulations provide that an applicant need not consult a person or authority specified in the Regulations if they have the written consent of the Secretary of State not to do so pursuant to Regulation 7(3) of the 2011 Regulations.

As confirmed above, in accordance with Regulation 7(3) of the 2011 Regulations, the Applicants have submitted a separate letter to the Secretary of State (accompanied by an updated list of those notified pursuant to Section 56 of the PA 2008), seeking the consent of the Secretary of State to undertake a more focussed and targeted consultation for the proposed non-material change application. The updated list identifies those consultees that the Applicants propose to consult and those they do not propose to consult, along with a justification for that approach. It should be noted that the Applicants have included in the list all parties with land interests affected by the Proposed Changes.

The Guidance acknowledges that when dealing with a non-material change application, there may only be a limited number of people, if any, who can be said to be directly affected. Nonetheless, the Guidance goes on to state that applicants should consider carefully whether there will be additional people who should be sent a copy of the notice. This could, for example, include:

- people or businesses who have moved into the area where the project is located and who would not have been consulted on the original application; or
- those who were not notified under Section 56, but who made relevant representations on the original DCO application.

It is considered that a more focused and targeted consultation for the proposed non-material change application is appropriate given that the Proposed Changes are limited in nature; do not result in new or different significant environmental effects; and do not have any implications in terms of the Habitats Regulations or for the compulsory acquisition of land or rights in land. Furthermore, the Site is relatively remote from local residents. The Applicants propose to include the relevant landowners within the scope of the publicity.

Therefore, it is not considered necessary to consult all those who were notified pursuant to Section 56 of the PA 2008.

### Programme

The Applicants intend to submit the NMC application in late August 2024. The Guidance states that whilst there is no statutory timeframe, a decision should usually be expected from the Secretary of State within 6 weeks of the closing date for responses to the publicity and consultation. A late August 2024 submission would mean the required consultation period ending in mid-October 2024. In line with the Guidance, this would indicate that a decision by the Secretary of State could be made by the end of October 2024.

### Summary

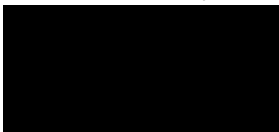
The Applicants propose to submit a non-material change application in respect of The Net Zero Teesside Order 2024 (S.I. 2024 No. 174) (the 'Order'). The application will seek a number of changes to Order Limits and Works Nos. areas and the works sets out at Schedule 1 of the Order. The Proposed Changes are limited in nature; will not result in new or different significant environmental effects, do not have any implications in terms of the Habitats Regulations or for the compulsory acquisition of land or rights in land.

This letter has described the Proposed Changes; assessed the materiality of the changes having regard to relevant guidance; sets out the proposed scope of the application; set out the Applicant's proposals for consultation; and also outlined an indicative programme for the application.

The Secretary of State is requested to confirm if he agrees the Applicants' assessment of the materiality of the changes, proposed scope of the non-material change application and the Applicants' proposals for consultation, including the proposed list of consultees at the annex to the Regulation 7(3) letter. The Applicants request that the Secretary of State provides a response on these matters by **12 August 2024**.

If you wish to discuss the proposed non-material change application or require any further information, please do not hesitate to contact me using the details below.

Yours sincerely,



**Rob Booth**  
**Director**



Enc.

The Net Zero Teesside Order 2024

The Net Zero Teesside (Correction) Order 2024 (DRAFT)

Site Comparison Plan – Ref. NZT\_240514\_P118