

H2Teesside Project

Planning Inspectorate Reference: EN070009

Land within the boroughs of Redcar and Cleveland and Stockton-on-Tees, Teesside and within the borough of Hartlepool, County Durham

The H2Teesside Order

Document Reference: 7.3 Change Application Report

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017



Applicant: H2 Teesside Ltd

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CONTENTS

1.0	INTRODUCTION	4
1.2.	Purpose and Structure of this Document	13
2.0	PROPOSED DEVELOPMENT CHANGES	15
2.1.	Introduction	15
2.2.	Evaluation of Proposed Development Changes.....	17
2.3.	Description and Rationale for the Proposed Changes	18
3.0	NON-STATUTORY CONSULTATION ON THE CHANGES	29
4.0	ENVIRONMENTAL ASSESSMENT OF PROPOSED DEVELOPMENT CHANGES	31
4.1.	Introduction	31
4.2.	Scope and Methodology for the Assessment of the Proposed Changes.....	31
4.3.	Environmental Summary.....	58
5.0	COMPLIANCE WITH THE CA REGULATIONS	59
6.0	REFERENCES	62

FIGURES

Figure 2-1: Extract of Site Location Plan Key (original submission) – red indicates Order Limits (Source: Document Ref. 2.1, Rev 0)	18
Figure 2-2 (below): Extract of Site Location Plan Key Plan (Change Application) – red indicates Order Limits; green indicates land proposed to be removed; blue indicates proposed additional land (Source: [PDA-019])	18

TABLES

Table 1-1: List of Documents comprised in the Change Application	6
Table 2-1: Summary of Proposed Changes	16
Table 4-1: Environmental Screening Assessments for Proposed Development Changes.....	33
Table 4-2: Summary of Updates to Original ES Assessments.....	58
Table 5-1: CA Regulation 5 Requirements and where dealt with in Change Application	59

1.0 INTRODUCTION

1.1 Overview

- 1.1.1. The H2Teesside Project Development Consent Order ('DCO') Application was submitted by the Applicant, H2Teesside Limited, to the Secretary of State (the 'SoS') for Energy Security and Net Zero on 25 March 2024 under Section 37 of the Planning Act 2008 (the 'PA 2008'). The DCO Application was accepted for examination on 22 April 2024. The Examination commenced on 29 August 2024.
- 1.1.2. The H2Teesside Project (the 'Proposed Development') will be one of the UK's largest blue hydrogen production facilities with a capacity of up to approximately 1.2 gigawatts ('GW') thermal, representing more than 10% of the Government's low carbon hydrogen production target of 10 GW by 2030.
- 1.1.3. The Proposed Development, encompassing a Hydrogen Production Facility, associated connections, temporary construction compounds, and landscape/ecological areas, is situated on land in Redcar and Cleveland, Stockton-on-Tees, and Hartlepool (hereafter referred to as the Proposed Development Site).
- 1.1.4. The Proposed Development is a complex 'first-of-a-kind' project. As confirmed by the Government's decision to select the Proposed Development to connect to the East Coast Cluster (one of the first two carbon capture, usage and storage clusters to be taken forward by the Government), it is a critical part of efforts to decarbonise the power and industrial sectors both in Teesside and nationally.
- 1.1.5. Due to the Proposed Development's nature and scale, the extent of land interests within the proposed Order Limits and the potential routing of the hydrogen pipeline and other connections, the DCO Application submitted in March 2024 necessarily included a degree of optionality. The Applicant has previously explained to the Planning Inspectorate ('PINS') the need for this optionality, but has also been clear that its aim would be to reduce that optionality, if possible, in advance of the Examination as the design of the Proposed Development is progressed and becomes more certain. The options included in the DCO Application were consulted upon and also assessed as part of the Environmental Impact Assessment ('EIA') undertaken for the Proposed Development and reported in the Environmental Statement ('ES').
- 1.1.6. Since submission of the DCO Application, the Applicant has continued with detailed design development and refinement, while also engaging with Interested Parties with a view to addressing their comments and agreeing common ground. This work has identified a number of changes to the Proposed Development.
- 1.1.7. The changes can be grouped into four main categories as follows:
- **Category 'A'**: Engineering/design development – Changes 1, 5, 7 and 9.
 - **Category 'B'**: Changes to construction approach – Changes 3, 4 and 6.
 - **Category 'C'**: Other Order Limits reductions – Changes 2.A to 2.F.

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- **Category 'D'**: Order Limits increases which invoke the CA Regulations – Change 8.
- 1.1.8. PINS has recently (8 August 2024) issued updated advice to applicants about how an applicant can request a change to a DCO application after it has been accepted for examination, and before the close of examination (titled: 'Nationally Significant Infrastructure Projects: Changes to an application after it has been accepted for examination'.)
- 1.1.9. The PINS guidance sets out that the process for requesting a change to an application and involves six main steps as follows:
- **Step 1** – The change notification is submitted.
 - **Step 2** – Advice is provided by the Examining Authority ('ExA').
 - **Step 3** – The Applicant consults about the proposed change.
 - **Step 4** – The change application/request is submitted.
 - **Step 5** – The ExA decides whether to accept or reject the change application.
 - **Step 6** – The 'changed application' – where the ExA has decided to accept the change application, the examination will proceed by considering the changed application.
- 1.1.10. In terms of Step 1, a Change Notification request relating to the DCO Application (referred to in this document as the 'Change Notification') [PDA-019] was submitted by the Applicant to the ExA on 15 August 2024.
- 1.1.11. The Change Notification was acknowledged by the ExA via letter dated 21 August 2024 [PD-006], and the ExA provided advice for the Applicant when submitting the formal change request (the 'Change Application'), as summarised in the covering letter (Document Ref. 7.2).
- 1.1.12. The Applicant carried out non-statutory consultation on the changes between 4 September and 7 October 2024 (Step 3). The Consultation Statement (Document Ref. 7.5) and its Appendices (Document Ref. 7.6) submitted as part of the Change Application evidences how the Applicant consulted on the changes, what responses were received to the consultation, and how those responses have been taken into account.
- 1.1.13. This Change Application Report, along with the documents indicated in the Change Application Report Schedule of Application Documents (Document Ref. 7.7) represents the Change Application for the purposes of Step 4 of the PINS advice and is submitted into Examination on 17 October 2024. For ease of reference, Table 1-1 below is a list of the documents comprised in the Change Application.
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Table 1-1: List of Documents comprised in the Change Application

APPLICATION DOCUMENT REF.	APPLICATION DOCUMENT NAME	REVISION NO./DATE
<i>Change Application Documents</i>		
7.2	Change Application Cover Letter	Rev. 0 17 October 2024
7.3	Change Application Report	Rev. 0 17 October 2024
7.4	Change Application Report – Appendices	Rev. 0 16 October 2024
7.5	Consultation Statement	Rev. 0 16 October 2024
7.6	Consultation Statement – Appendices	Rev. 0 16 October 2024
7.7	Change Application Report Schedule of Application Documents	Rev. 0 16 October 2024
7.8	Change Application – Comparison Plans	Rev. 0 17 October 2024
7.9	Habitats Regulations Assessment Changes Reference Table	Rev. 0 16 October 2024
<i>Application Form and related documents</i>		
1.2	Application Guide (clean and track changes)	Rev. 6 17 October 2024
<i>Plans, Drawings and Sections</i>		
2.2	Land Plans (Key Plan and Sheets 1-21)	Rev. 2 16 October 2024
2.2a	Supplementary Land Plans	Rev. 0 16 October 2024
2.3	Special Category Land and Crown Land Plans (Key Plan and Sheets 1-6)	Rev. 2 16 October 2024

APPLICATION DOCUMENT REF.	APPLICATION DOCUMENT NAME	REVISION NO./DATE
2.4	Works Plans (Key Plan and Sheets 1-44)	Rev. 2 17 October 2024
2.5	Access and Rights of Way Plans (Key Plan and Sheets 1-11)	Rev. 2 16 October 2024
2.13	Temporary Traffic Regulation Measures Plan (Key Plan and Sheets 1-11)	Rev. 2 16 October 2024
2.15	Important Hedgerows to be Removed Plan	Rev. 3 16 October 2024
<i>Land information / Compulsory Acquisition Information</i>		
3.1	Book of Reference (Parts 1-5) (clean and tracked versions)	Rev. 3 16 October 2024
3.1a	Schedule of Changes to the Book of Reference	Rev. 1 16 October 2024
3.2a	Supplementary Statement of Reasons	Rev. 0 16 October 2024
3.3a	Supplementary Funding Statement	Rev. 0 16 October 2024
<i>Draft Development Consent Order</i>		
4.1	Draft Development Consent Order (clean and tracked versions)	Rev. 3 16 October 2024
4.1a	Schedule of Changes to the Draft Development Consent Order	Rev. 1 16 October 2024
4.2	Explanatory Memorandum	Rev. 1 16 October 2024
<i>Reports and Statements</i>		
5.5	Pipelines Statement (clean and tracked versions)	Rev. 1 16 October 2024

APPLICATION DOCUMENT REF.	APPLICATION DOCUMENT NAME	REVISION NO./DATE
5.9	Outline Landscape and Biodiversity Management Plan (not in clean and track as only the figure is updated)	Rev. 1 3 October 2024
5.10A	Report to Inform Habitats Regulations Assessment (CONFIDENTIAL) (clean and tracked versions). Please note that this includes consideration of the proposed changes and dealing with points raised by Natural England in its Relevant Representations. Document Ref. 7.9 explains how the proposed changes have been dealt with in this report.	Rev. 2 16 October 2024
5.10	Report to Inform Habitats Regulations Assessment (REDACTED) (clean and tracked versions)	Rev. 2 16 October 2024
<i>Environmental Information</i>		
6.3.20	Figure 8-4: Air Quality Study Area – Operational Model Inputs Phase 1	Rev. 1 16 October 2024
6.3.21	Figure 8-5: Air Quality Study Area – Operational Model Inputs Phase 2	Rev. 1 16 October 2024
6.3.22	Figure 8-6: Annual Mean NO ₂ Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2022	Rev. 1 16 October 2024
6.3.23	Figure 8-7: 99.79th Percentile 1h NO ₂ Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst	Rev. 1 16 October 2024

APPLICATION DOCUMENT REF.	APPLICATION DOCUMENT NAME	REVISION NO./DATE
	Affected Meteorological Year of 2021	
6.3.24	Figure 8-8: Maximum 8h Rolling CO Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2018	Rev. 1 16 October 2024
6.3.25	Figure 8-9: Maximum 1h CO Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2021	Rev. 1 16 October 2024
6.3.26	Figure 8-10: Annual Mean NOx Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2022	Rev. 1 16 October 2024
6.3.26a	Figure 8-11: Annual Mean NH3 Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2022.	Rev. 0 16 October 2024
6.3.26b	Figure 8-12: Nitrogen Deposition from Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2022.	Rev. 0 16 October 2024
6.3.26c	Figure 8-13: Acid Deposition from Process Contribution for the Proposed Development during	Rev. 0 16 October 2024

APPLICATION DOCUMENT REF.	APPLICATION DOCUMENT NAME	REVISION NO./DATE
	Normal Operations for Phase 1 and 2 Combined – for the Worst Affected Meteorological Year of 2022.	
6.3.64	Figure 11-2: Construction Noise Contours	Rev. 1 16 October 2024
6.3.81	Figure 14-7: Airborne Noise Modelling Locations for Seals	Rev. 1 16 October 2024
6.3.93	Figure 16-7-1a to 16-7-4f: Photomontages	Rev. 4 16 October 2024

1.1.14. How the Change Application complies with Step 4 of the PINS advice, in terms of the information provided, is set out in Table 1-2 below, which also sign-posts where that information can be located within the Change Application documentation.

Table 1-2: Information to include in the Change Application (Step 4 – PINS Advice Pages)

INFORMATION TO INCLUDE IN THE CHANGE APPLICATION	WHERE DEALT WITH
A confirmed description of the proposed change. Where this has changed from that provided with the change notification this should be clearly explained.	Descriptions of the proposed changes are set out in Section 2.0 of this Change Application Report. There are no further updates since the Change Notification [PDA-019].
A confirmed statement setting out the reasons and need for making the change. The applicant should provide any further information that was not included in the change notification.	This is set out in Sections 1.0 and 2.0 of the Change Application Report.
A full schedule of all application documents and plans listing the revisions to each document and plan which would occur because of the change or, as necessary, marked as ‘no change’.	The updated Application Guide (Document Ref. 1.2), sets out the full list of documents. A separate Change Application Report Schedule of Application Documents (Document Ref. 7.7) provides a full schedule of all application documents and plans listing the revisions to each document and plan which would occur because of the changes or, as necessary, marked as ‘no change’.

INFORMATION TO INCLUDE IN THE CHANGE APPLICATION	WHERE DEALT WITH
	<p>The Applicant has submitted with the Change Application the documents which need to be updated to be understood alongside the other Change Application documentation and/or are referred to in the draft DCO.</p> <p>The schedule notes these and notes other documents which have not been submitted as only minor changes would have been required (i.e. changes to Order Limits or indicative engineering detail), where the Change Application supplements the information submitted rather than replacing it (e.g. ES chapters), or where changes will be incorporated into other changes to the document to account for written representations and discussions with stakeholders (namely the Framework CEMP).</p>
<p>A statement identifying any impact the proposed change would have on securing any consents or licences for the project. The applicant should confirm if there would be any delay in securing these before the close of the examination.</p>	<p>An updated Other Consents and Licences Statement [REP2-007] was submitted at Deadline 2. The Applicant confirms that the proposed changes would not have an impact on securing consents or licences for the Proposed Development or require any new consents or licences.</p>
<p>Clean and track changed versions of the draft DCO showing the proposed changes. Also, clean and track changed versions of the draft explanatory memorandum. If updated versions of these have been submitted into the examination during the pre-examination or examination stage the applicant should check with the Examining Authority which versions should be used for this purpose.</p>	<p>Clean and tracked versions of the draft DCO showing the proposed changes are provided (see Document Ref. 4.1).</p> <p>A Schedule of Changes to the Draft Development Consent Order is also provided (see Document Ref. 4.1a).</p> <p>These make changes to the last accepted version of the draft DCO by the ExA, which was submitted at Deadline 2.</p> <p>Clean and tracked versions of the Explanatory Memorandum showing the proposed changes are provided (see Document Ref. 4.2).</p>
<p>If the proposed change includes a request to include additional compulsory acquisition</p>	<p>The information required by Regulation 5 of the CA Regulations is referred to at Section 5.0 of</p>

INFORMATION TO INCLUDE IN THE CHANGE APPLICATION	WHERE DEALT WITH
<p>powers, confirmation that the applicant has consent from all persons with an interest in the additional land that the additional powers can be included in the application. Evidence of the consent must be provided. If the applicant has not obtained consent, they must provide the information prescribed by regulation 5 of the CA Regulations:</p>	<p>this Change Application Report and provided as part of the Change Application. This includes:</p> <ul style="list-style-type: none"> • Supplementary Land Plans (Document Ref. 2.2a) • Supplementary Funding Statement (Document Ref. 3.3a) • Supplementary Statement of Reasons (Document Ref. 3.2a) <p>In respect of the Book of Reference (Document Ref. 3.1), the Applicant has submitted a consolidated update of this document which accounts for all the proposed changes, with changes that are associated with the 'Additional Land' highlighted in yellow. This has been done given the range of changes being introduced.</p> <p>This performs the role of the Supplementary Book of Reference required by the CA Regulations (with such an approach being accepted on other projects such as Drax BECCS).</p>
<p>If the proposed change results in any new or different likely significant environmental effects, provision of other environmental information as necessary and confirmation that:</p> <ul style="list-style-type: none"> - The effects of the proposed change have been adequately assessed and that the environmental information has been subject to publicity. Whilst this is not a statutory requirement, the publicity should reflect the requirements of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017) - any consultation bodies who might have an interest in the proposed change have been consulted (reflecting the requirements of the EIA Regulations 2017). The applicant should identify those consultation bodies who were 	<p>Section 4.0 of this Change Application Report considers if the proposed changes would result in any new or different likely significant environmental effects and sign-posts to the environmental information contained in Appendices 1A to 5A (Document Ref. 7.4) of this report.</p> <p>The Appendices to the Consultation Statement (Document Ref. 7.6) confirms the environmental information that was included in the non-statutory consultation and the Consultation Statement sets out the consultation bodies consulted, and confirms there are no consultation bodies consulted who were not consulted on the proposed application.</p> <p>The Consultation Statement also sets out how the Applicant has responded to the advice</p>

INFORMATION TO INCLUDE IN THE CHANGE APPLICATION	WHERE DEALT WITH
consulted on the proposed changes but were not consulted on the original application	provided by the ExA in response to the Change Notification [PD-006].
<p>Where consultation has been carried out (either voluntarily, at the direction of the Examining Authority, or in accordance with the requirements of the CA Regulations or EIA Regulations 2017) a consultation report must be provided. The consultation report should:</p> <ul style="list-style-type: none"> - confirm who has been consulted in relation to the proposed change and explain how and why they have been consulted - include details of how the applicant has considered the content of the consultation responses received - include copies of all consultation responses received, including any responses to publicity about the proposed change. These should be included as an annex to the consultation report 	<p>A Consultation Statement (Document Ref. 7.5) and its Appendices (Document Ref. 7.6) is provided as part of the Change Application, which sets out the non-statutory consultation undertaken by the Applicant how responses to that consultation have been taken into account, and provides copies of the consultation responses received.</p>

1.2. Purpose and Structure of this Document

- 1.2.1. This document has been prepared to describe the Change Application, and is formally submitted to the ExA, in line with Step 4 of the relevant PINS advice.
- 1.2.2. Throughout this Change Application Report, the Applicant has used the document references within the Examination Library (identified within square brackets, e.g. [APP-051]) for information previously accepted for examination and to the Applicant’s own document references (‘Application Document Ref.’ numbers) for documents which have yet to be assigned an Examination Library number by the ExA. The terms used in this Change Application Report match those set out in the Glossary of Abbreviations and Definitions of Frequently Used Terms provided within the Original ES [APP-187].
- 1.2.3. The remainder of this document is structured as follows:
- **Section 2.0: Proposed Development Changes** – sets out a description and rationale of each of proposed changes to the Proposed Development.
 - **Section 3.0: Non-Statutory Consultation on the Changes** – sets out a summary of what the consultation encompassed which is further detailed in the Consultation Statement (Document Ref. 7.5) and its Appendices (Document Ref. 7.6).

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- **Section 4.0: Environmental Assessment of Proposed Development Changes** – considers whether the Proposed Development Changes (as reported in Section 2.0) have the potential to modify the assessment of impacts and effects as reported in the technical chapters of the Original ES and associated standalone documents (the Original ES [APP-051 to APP-225], except for APP-076 and APP-077, and the associated standalone documents [APP-047 to APP-050]).
 - **Section 5.0: Compliance with the CA Regulations** – in view of the need for Additional Land, this section sets out how the CA Regulations are being/will be complied with.
 - **Section 6.0: References** – some of the key government guidance pages and legislation.

2.0 PROPOSED DEVELOPMENT CHANGES

2.1. Introduction

- 2.1.1. This section of this Change Application Report presents a description of the changes to the Proposed Development.
- 2.1.2. The Applicant is proposing a total of 14 changes to the Proposed Development as presented within the DCO Application submitted in March 2024. As summarised in Section 1.0, the changes can be grouped into four main categories as follows:
- **Category 'A'**: Engineering/design development – Changes 1, 5, 7 and 9.
 - **Category 'B'**: Changes to construction approach – Changes 3, 4 and 6.
 - **Category 'C'**: Other Order Limits reductions – Changes 2.A to 2.F.
 - **Category 'D'**: Order Limits increases which invoke the CA Regulations – Change 8.
- 2.1.3. The changes sought to the DCO Application reflect further engineering and design development of the Proposed Development; changes to construction approach and techniques and reductions in the Order Limits and evolution and refinement of the Proposed Development; seek to respond to comments received from Interested Parties (through the Applicant's on-going engagement with them and in response to their comments in the Relevant Representations); deliver improvements to the Proposed Development; remove optionality, land take and complexity; and, with the exception of the Category D change, reduce its overall impacts on those Interested Parties.
- 2.1.4. The changes also reflect on-going discussions with Government on the development of the commercial and economic arrangements that are being put in place to develop the emerging hydrogen market (something recognised as an on-going process in the National Policy Statements) and the East Coast Cluster, ensuring that the most economically efficient, but also flexible, development, is able to be brought forward.
- 2.1.5. The overall effect of the changes would be positive in reducing the potential effects of the Proposed Development, reducing the number of issues to be considered in the Examination, simplifying both the Examination and decision-making processes. They are therefore a net positive to the DCO Application.
- 2.1.6. A brief description of each of the changes and the Work Number ('No.') to which they relate within Schedule 1 'Authorised Development' of the draft DCO [APP-027], where relevant, is set out in Table 2-1 below. The changes are shown on the Change Application Comparison Plans (Document Ref. 7.8). The other drawings in the 'Plans, Drawings and Sections' category in Table 1-1 above, have also been updated to reflect the changes.

Table 2-1: Summary of Proposed Changes

CATEGORY 'A' CHANGES: ENGINEERING/DESIGN DEVELOPMENT		
Change No.	Description	Work No.
1	Addition of a second flare stack for Phase 2 of the Hydrogen Production Facility located at the Main Site (no change to Order Limits).	Work No. 1A.2
5	Removal of air separation unit from Phase 1 of the Hydrogen Production Facility (no change to the Order Limits).	Work No. 1A.1
7	Updates to building dimensions at the Main Site (no change to the Order Limits).	Work No. 1
9	Removal of an AGI within the Work No. 2B area (no change to the Order Limits).	Work No. 2B
CATEGORY 'B' CHANGES: CHANGES TO CONSTRUCTION APPROACH		
Change No.	Description	Work No.
3	Removal of temporary construction compound at Redcar Bulk Terminal (8.1 hectares removed from the Order Limits).	Work No. 9
4	Addition of a temporary construction compound on land at Navigator Terminals (no change to the Order Limits).	Work No. 9
6	Reduction in plant at temporary construction compounds (no change to the Order Limits).	Work No. 9
CATEGORY 'C' CHANGES: OTHER ORDER LIMITS REDUCTIONS		
Change No.	Description	Work No.
2.A	Reduction at Cowpen Bewley (2.5 hectares removed from the Order Limits).	No Work No.
2.B	Reduction at Venator (2.5 hectares removed from the Order Limits).	Work Nos. 6A.1 and 6B.1
2.C	Reduction to the east of the Main Site (50.7 hectares removed from the Order Limits).	Work No. 3A, 3B.2, 3B.3, 4, 5, 7A and 7B
2.D	Reduction to the west of the Main Site and at the Main Site access point (27.9	Work No. 6A.1

	hectares removed from the Order Limits).	
2.E	Reduction at Lazenby (4.9 hectares removed from the Order Limits).	Work Nos. 6A.1 and 9
2.F	Removal of Northern Gas Networks Above Ground Installation ('AGI') off the A178 Seaton Carew Road (5.3 hectares removed from the Order Limits).	Work No. 6B.3
CATEGORY 'D' CHANGES: ORDER LIMITS INCREASES INVOKING THE CA REGULATIONS		
Change No.	Description	Work No.
8	Inclusion of additional land for existing Natural Gas pipeline (1.8 hectares of land added to the Order Limits) and changes to rights required within the Order limits to allow for re-purposing of that existing pipeline.	New Work No. 2C

2.2. Evaluation of Proposed Development Changes

- 2.2.1. This section of this Change Application Report provides a description and rationale for each of the proposed changes. Table 1-1 at Section 1.0 lists the documents that make up the Change Application, including the update application documents.
- 2.2.2. Section 4.0 of this Change Application Report considers if the proposed changes would result in any new or different likely significant environmental effects compared to those reported within the Original ES and signposts any updated environmental information.
- 2.2.3. For illustrative purposes, screenshots of the key plans for the original Site Location Plan (Document Ref. 2.1, Rev 0) submitted as part of the DCO Application in March 2024, and the key plan in Appendix 1 of the Change Notification [PDA-019] that was submitted on 15 August 2024 are reproduced as Figures 2-1 and Figure 2-2 respectively below.
- 2.2.4. Figure 2-2 shows the land proposed to be removed in green, with the additional land shown in blue.
- 2.2.5. A series of Comparison Plan drawings (Document Ref. 7.8) has also been prepared to illustrate the changes, and these have been referenced below where relevant. Screen shots showing 'before' and 'after' extracts of the Land Plans (Document Ref. 2.2) have also been included where relevant.

Figure 2-1: Extract of Site Location Plan Key (original submission) – red indicates Order Limits (Source: Document Ref. 2.1, Rev 0)

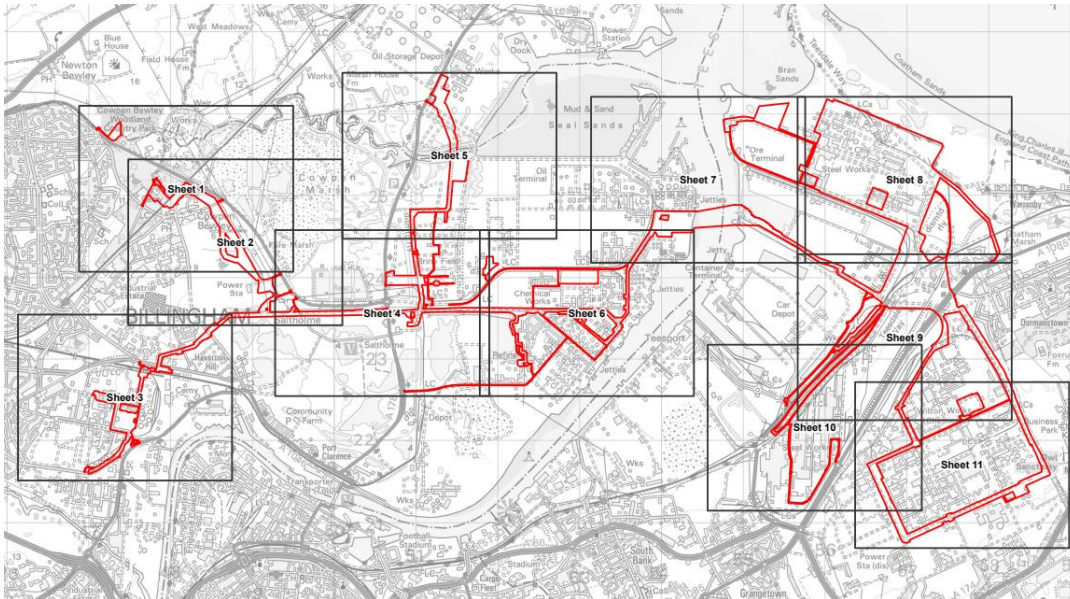
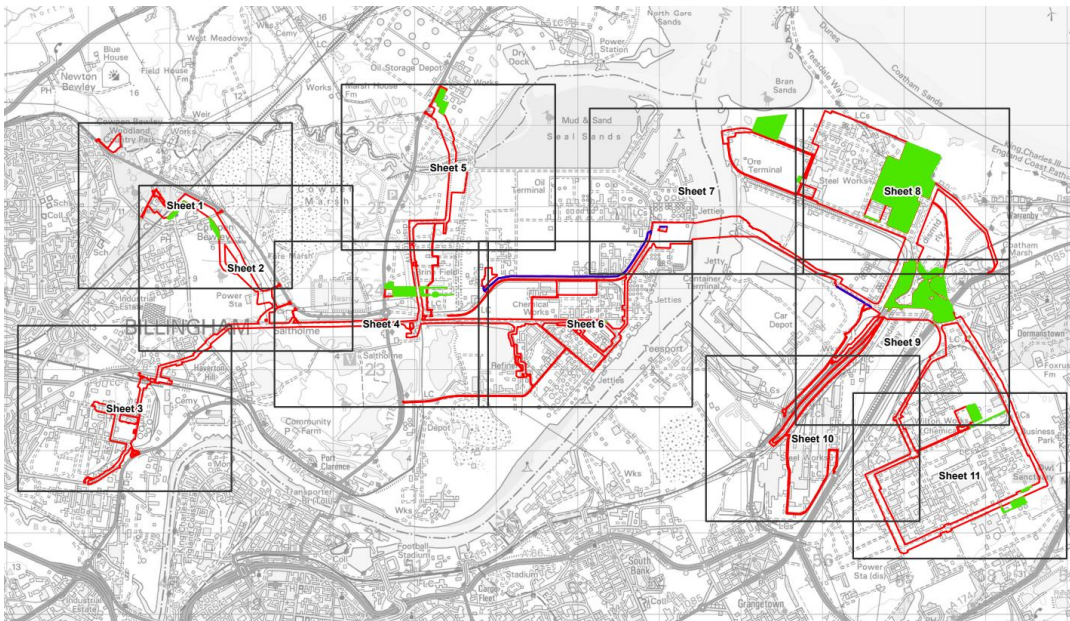


Figure 2-2 (below): Extract of Site Location Plan Key Plan (Change Application) – red indicates Order Limits; green indicates land proposed to be removed; blue indicates proposed additional land (Source: [PDA-019])

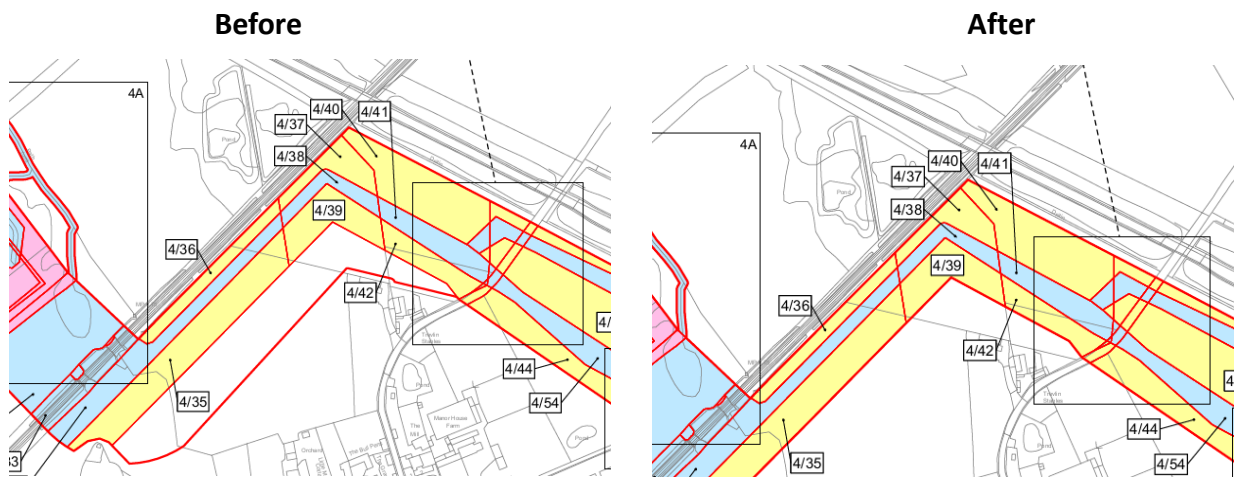


2.3. Description and Rationale for the Proposed Changes

Change 1 – Addition of second flare stack for Phase 2 (Work No. 1A.2) – Category ‘A’

2.3.1. As part of the works for Phase 1 of the Hydrogen Production Facility a flare was proposed within the Main Site (the ‘Phase 1 flare’) (Work No. 1A.1).

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- 2.3.2. Following the submission of the DCO Application on 25 March 2024, further engineering studies and on site engagement has enabled the design of the Hydrogen Production Facility to be refined. A second flare is now proposed as part of Phase 2 of the Proposed Development. The second flare will also be located within the Main Site (Work No. 1A.2).
- 2.3.3. The second flare will perform the same function as the Phase 1 flare described in ES Chapter 4 ‘Proposed Development’ [APP-056] paragraph 4.3.10, albeit to serve Phase 2 of the Proposed Development only. The second flare will also be designed within the same maximum parameters as the Phase 1 flare, which are presented in ES Chapter 4 Table 4-1 and assessed in the ES, namely a maximum height of 108 m above ordnance datum (‘AOD’) and a minimum height of 73 m AOD, a maximum platform diameter of 4 m and maximum flare stack diameter of 1 m.
- 2.3.4. The uses of this flare are the same as those for the single flare already assessed in the Original ES i.e.
- start up: to include pilot and flare operating as in emergency scenarios;
 - normal operation: pilot and purge only; and
 - emergency: emergency flare operation.
- 2.3.5. This second flare will produce the same emissions concentration as the first flare (as with Phase 1, this flaring relates to releases from the Hydrogen Production Facility during an emergency), and as such, the total emissions from flaring associated with the Proposed Development will double from those reported in the Original ES.
- 2.3.6. This change will not alter the Order Limits as shown in the DCO Application submitted in March 2024 as it is accommodated within the Main Site.
- Change 2.A – Reduction at Cowpen Bewley (no Work No.) – Category ‘C’
- 2.3.7. This change seeks to remove two parcels of land from the Order Limits. The two parcels of land are located to the north and east of Cowpen Lane and are adjacent to the proposed Hydrogen Distribution Network Pipeline corridor leading to the Cowpen Bewley natural gas Above Ground Installation (‘AGI’) (Work No. 6A.2).
- 2.3.8. It should be noted that no works were proposed at this location (which is why the two parcels do not form part of a work area and are white on the Land Plans [APP-008]) nor are any powers sought in the DCO Application as submitted.
- 2.3.9. The change will result in a reduction of 2.5 ha in the Order Limits, with the Order Limits following the boundary of Work No. 6A.2. The area to be removed is indicated by hatching on Figure 1 of the Comparison Plans (Document Ref. 7.8) and Sheet 4 of the Land Plans has been amended as shown in the before and after extracts below:
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Change 2.B – Reduction at Venator Work Nos. 6A.1 and 6B.1) – Category ‘C’

- 2.3.10. This change will reduce the Order Limits at the terminus of the Greatham branch of the Hydrogen Distribution Network Pipeline corridor, which comprises work areas for the pipeline corridor (Work No. 6A.1) and the AGI it connects into (Work No. 6B.1).
- 2.3.11. This change is a result of design refinement and discussions with the landowner, Venator, to minimise impact on its operational plant.
- 2.3.12. The change will result in a reduction of 2.5 ha in the Order Limits. The area to be removed is indicated by hatching on Figure 2 of the Comparison Plans (Document Ref. 7.8) and Sheet 7 of the Land Plans has been amended as shown in the before and after extracts below:



Change 2.C – Reduction to east of the Main Site (Work Nos. 3A, 3B.1, 3B.3, 4, 5, 7A and 7B) – Category ‘C’

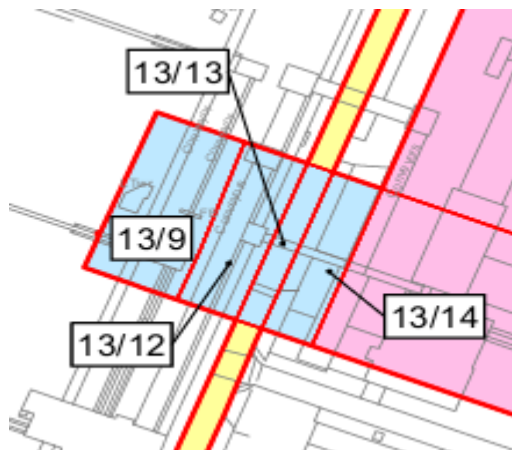
- 2.3.13. This change involves the removal of land to the east of the Main Site which is part of the Net Zero Teesside (‘NZN’) Project’s Main Site, also known as the Power Capture and Compression (‘PCC’) Site. The change will reduce the proposed works areas for the electrical, gas and water connection corridor (Work Nos. 3A, 3B.1, 3B.3, 4, 5, 7A and 7B).
- 2.3.14. This change is a result of design refinement and discussions with NZT Power (operator of the consented NZT power station) and Net Zero North Sea Storage also known as the Northern Endurance Partnership (‘NEP’ – operator of the carbon dioxide transport and storage network) on interface engineering covering the various connections between the projects. The result of these discussions is that there is now a greater certainty with regards to final connection points, enabling a corresponding reduction in land take from the NZT site.
- 2.3.15. The change will result in a reduction of 50.7 ha in the Order Limits. The area to be removed is indicated by hatching on Figure 3 of the Comparison Plans (Document Ref. 7.8) and Sheet 14 of the Land Plans has been amended as shown in the before and after extracts below:



Change 2.D – Reduction to the west of the Main Site and around the Main Site access point (Work No. 6A.1) – Category ‘C’

- 2.3.16. This change involves a reduction of the Order Limits in two locations.
- 2.3.17. The first comprises the removal of a parcel of land adjacent to the west of the Main Site (and east of Redcar Bulk Terminal). This will result in a small reduction in the extent of the Hydrogen Distribution Network Pipeline corridor (Work No. 6A.1).
- 2.3.18. The second involves removing excess land around the Steel House Gate roundabout on the A1085 Trunk Road. This will also reduce the area of the Hydrogen Distribution Network Pipeline corridor (Work No. 6A.1). As a result, the Order Limits will more closely follow the alignment of the existing roads at this location.
- 2.3.19. This change is a result of engineering design refinement where the Hydrogen Distribution Network Pipeline routing and construction corridor has been further reduced. This has also been brought forward as a result of easement corridor discussions with Teesworks enabling more certainty with regards to pipeline routing and construction corridors.
- 2.3.20. The change will result in a reduction of 27.9 ha in the Order Limits. The areas to be removed are indicated by hatching on Figure 4a and Figure 4b of the Comparison Plans (Document Ref. 7.8) and Sheets 13 and 15 of the Land Plans have been amended as shown in the before and after extracts below:

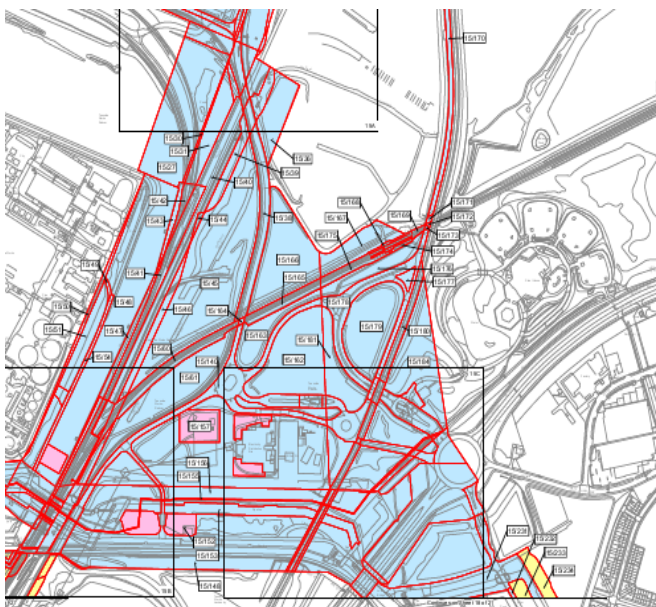
Sheet 13 Before



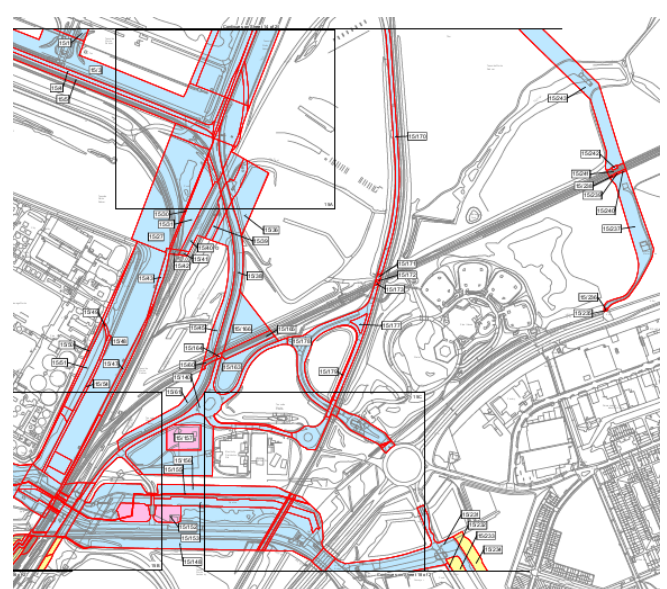
Sheet 13 After



Sheet 15 Before



Sheet 15 After

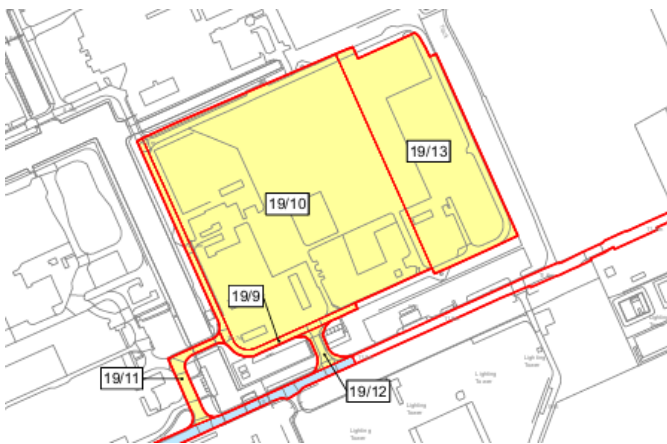


Change 2.E – Reduction at Lazenby (Work Nos. 6A.1 and 9) – Category ‘C’

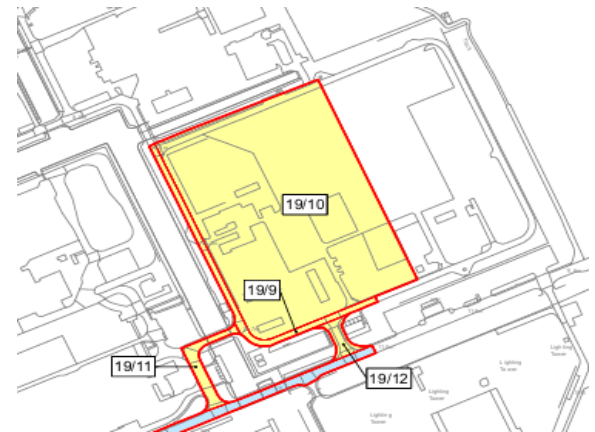
- 2.3.21. This change will reduce the Order Limits at two locations within the Wilton International Site near Lazenby.
- 2.3.22. In the north of the Wilton International Site, two parcels of land will be removed from the Order Limits. The extent of the proposed work area for the Temporary Construction Compound (Work No. 9) will be reduced and part of the internal road will no longer form part of the Order Limits.
- 2.3.23. In the south of the Wilton International Site, two parcels of land will be removed from the Order Limits to the north and south of an internal access road to reduce the extent of the work area for the Hydrogen Distribution Network Pipeline corridor (Work No. 6A.1).

- 2.3.24. These changes are a result of refinement in construction methodology following discussions with relevant stakeholders including Anglo American.
- 2.3.25. The change will result in a reduction of 4.9 ha in the Order Limits. The areas to be removed are indicated by hatching on Figure 5 of the Comparison Plans (Document Ref. 7.8) and Sheets 19 and 20 of the Land Plans have been amended as shown in the before and after extracts below:

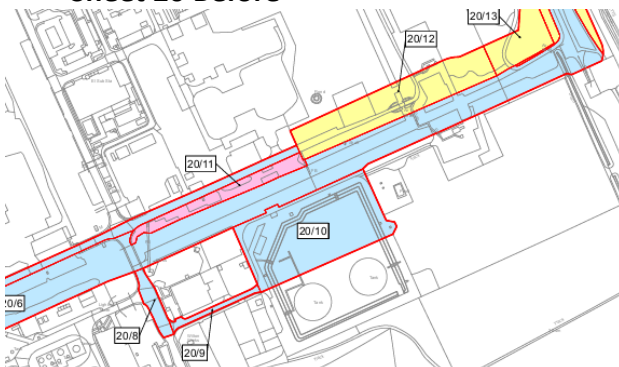
Sheet 19 Before



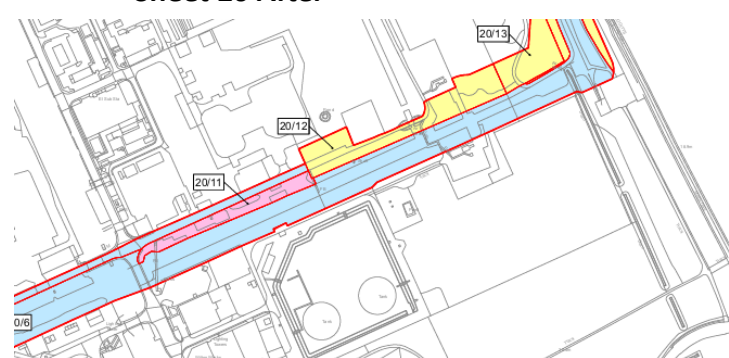
Sheet 19 After



Sheet 20 Before



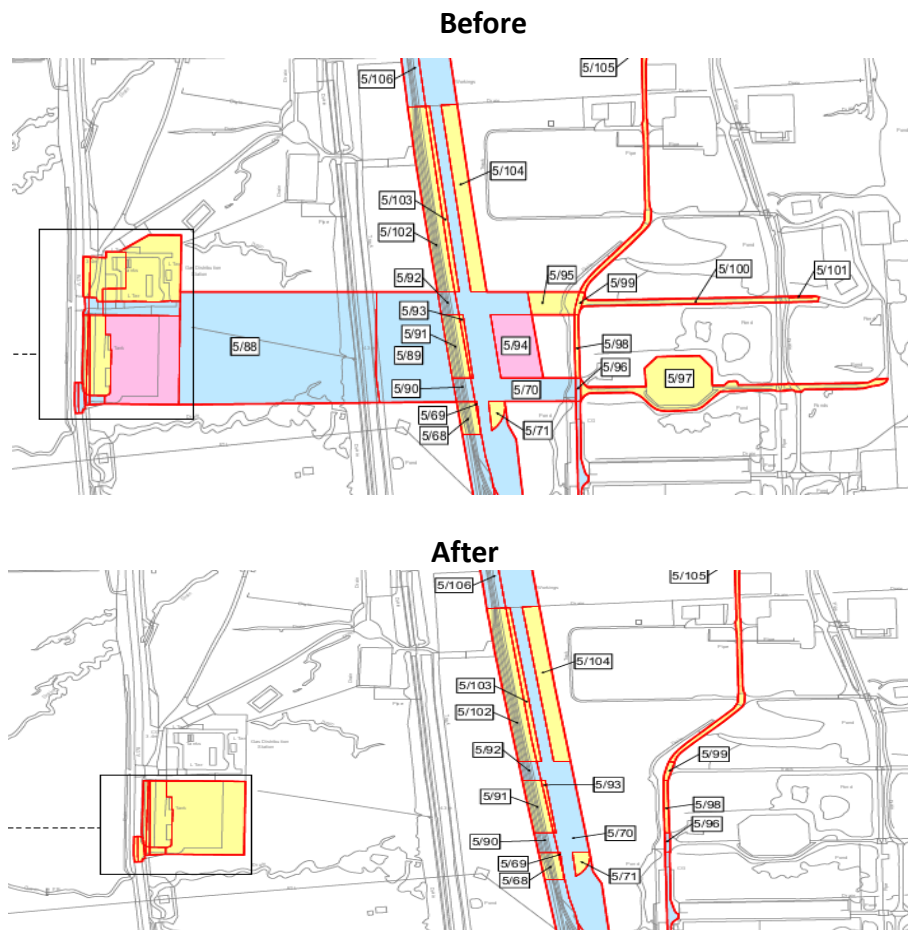
Sheet 20 After



Change 2.F - Removal of Northern Gas Networks AGI off the A178 Seaton Carew Road (Work No. 6A.3) – Category ‘C’

- 2.3.26. Three options were included in the DCO Application for connection into gas networks to facilitate blending of hydrogen with natural gas and connection to Project Union. These are (1) the National Gas Grid AGI near Billingham; (2) the Northern Gas Network natural gas AGI at Cowpen Bewley; and (3) the Northern Gas Networks AGI off the A178 Seaton Carew Road.
- 2.3.27. Further engineering and commercial work with Northern Gas Networks has resulted in the conclusion that the Northern Gas Networks AGI is not technically or commercially suitable for blending meaningful volumes of hydrogen into the gas network nor a connection to Project Union and as result the AGI for connection into Northern Gas Networks pipeline off the A178 Seaton Carew Road is proposed to be removed from the DCO Application.

- 2.3.28. Also, as a result of this change, horizontal directional drilling ('HDD') adjacent to the Teessmouth and Cleveland Coast Special Protection Area ('SPA') to reach the new AGI is no longer required at this location.
- 2.3.29. The change will result in a reduction of 5.3 ha in the Order Limits. The area to be removed is indicated by hatching on Figure 6 of the Comparison Plans (Document Ref. 7.8) and Sheet 5 of the Land Plans has been amended as shown in the before and after extracts below:

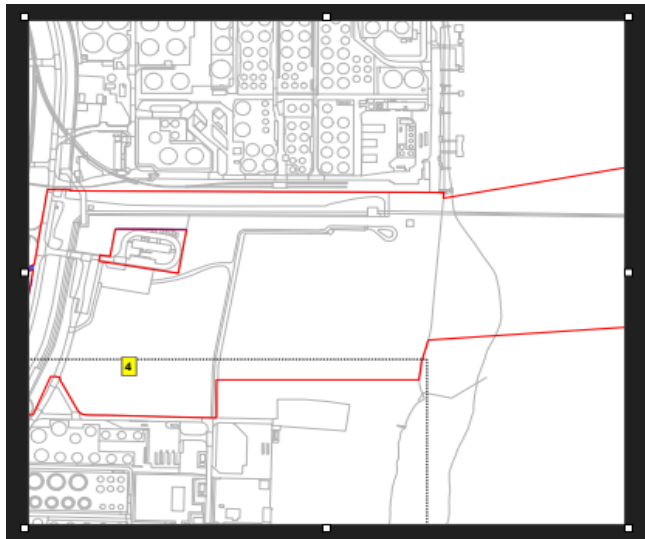


Change 3 – Removal of temporary construction compound at Redcar Bulk Terminal (Work No. 9) – Category ‘B’

- 2.3.30. The Temporary Construction Compound (Work No. 9) at RBT is no longer required for the Proposed Development. It was intended to use this area as a working space for unloading pre-constructed modules from ships to transfer them to the Main Site. Following further review, it is considered that this is now not necessary because the modules will be directly transferred from RBT to the Main Site and stored there. This has been discussed and agreed in interface meetings with RBT.
- 2.3.31. The change will result in a reduction of 8.1 ha in the Order Limits through the removal of what was previously plot 13/08. The area to be removed is indicated by hatching on Figure 7 of the Comparison Plans (Document Ref. 7.8).

Change 4 – Addition of temporary construction compound on land at Navigator Terminals (Work No. 9) – Category ‘B’

- 2.3.32. A new temporary construction compound is proposed on land owned by Navigator Terminals to be added to the Proposed Development as part of Work No. 9. This will be located in Plot 11/24 shown on the Land Plans, Sheet 11 [APP-008]. This land is located on the north bank of the River Tees and will primarily act as a Temporary Construction Compound to support HDD works for Work No. 6A.2 underneath the Tees. This change does not require any changes to the Order Limits.
- 2.3.33. This temporary construction compound has been added to enable to the Proposed Development to maximise synergies with the construction of the Net Zero Teesside CO₂ Gathering Network in this area. The additional construction compound has also been discussed with Navigator Terminals and the principle of its use has been agreed.
- 2.3.34. The proposed change will not alter the Order Limits and only affects Plot 11/24 (which was already in the Order limits for temporary purposes). It is shown indicatively below:



Change 5 – Removal of air separation unit from Phase 1 (Work No. 1A.1) – Category ‘A’

- 2.3.35. The Air Separation Unit (‘ASU’) was proposed as potentially required ancillary infrastructure for the supply of oxygen and nitrogen. It is no longer required for Phase 1 however, an ASU is still required for Phase 2. During Phase 1, oxygen and nitrogen will be sourced from a nearby supplier, which will remove the requirement for an on-site ASU and on-site liquid storage. Removing the ASU from Phase 1 will lead to a reduction in power required for this phase, from approximately 70 MW to 40 MW.
- 2.3.36. This change will not alter the Order Limits.

Change 6 – Reduction in plant at temporary construction compounds (Work No. 9)
– Category ‘B’

- 2.3.37. The amount of plant required for construction has been reduced at several of the temporary construction compounds, and the on-time performance of equipment for some activities has also been reduced as detailed in Appendix 2A (Table 2A-9 and 2A-10); such as the Diesel Water Pump (change to 50% on-time) and Road Sweeper (change to 50% on-time), has decreased, which changes the assumptions assessed in the Original ES (and matters secured pursuant to the Framework CEMP [APP-043]).
- 2.3.38. These changes result from further consideration of the likely construction methodologies and the ‘reasonable worst case’ scenario presented in the Original ES. It is considered that not all plant will be present at each of the temporary construction compounds at the same time; instead, they will be concentrated at the Main Site compound (Work No. 9). The list of plant which will be limited to the Main Site only includes:
- Batching Plant;
 - Breaker mounted on Wheeled Backhoe; and
 - Tracked Crusher.
- 2.3.39. This change will not alter the Order Limits.

Change 7 – Updates to building dimensions at the Main Site (Work No. 1) –
Category ‘A’

- 2.3.40. The height of the CO₂ Absorber has changed to reflect design development, with the maximum height increasing from 48 m to 51 m above ground level, or 59 m AOD).
- 2.3.41. Additionally, following design development, the height of Flash Vessels has increased from a maximum of 58 to 73 m AOD (65 m above ground level) in both phases. Emissions assumptions remain unchanged.
- 2.3.42. This change will not alter the Order Limits.

Change 8 – Inclusion of additional land for the National Gas Pipeline (new Work
No. 2C) – Category ‘D’

- 2.3.43. The Applicant is looking to utilise an existing natural gas pipeline to import its natural gas. This natural gas pipeline is currently mothballed and plans are in place to bring it back into service. The pipeline will be classified as an independent gas delivery network meaning that each of the users will need to secure their own relevant land rights to legally enable the import of natural gas.
- 2.3.44. The Applicant is in commercial discussions for a Gas Transportation Agreement to commercially secure the import of natural gas and the land rights being pursued by this change are being sought to enable this from a land rights perspective.
- 2.3.45. This change involves an additional 1.8 ha of land being added to the Order Limits and additional rights being required within plots already within the Order Limits
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(Plots 9/48, 9/49, 9/50, 10/48, 11/137, 12/6, 15/245, 15/244, 9/2, 9/3, 9/4, 9/5, 11/1, 11/2, 11/3, 11/22c, 11/25a, 11/28, 11/29, 11/31, 11/45a, 11/53, 11/60, 11/62a, 11/65, 11/66, 11/70, 11/101, 11/123, 11/124, 11/132, 11/133, 11/138, 12/2, 12/3, 12/4, 12/6, 15/82, 15/84, 15/86, 15/87, 15/88, 15/106). This change therefore engages the CA Regulations as discussed in Section 5.0 below.

- 2.3.46. The additional areas are shown on the Supplementary Land Plans (Document Ref. 2.2a).
- 2.3.47. Change 8 seeks additional powers over an existing natural gas pipeline, as opposed to any new construction. As such, it is not considered that it would have any implications for the environmental assessments set out in the Original ES. Change 8 has not therefore been considered in the environmental assessments in this Change Application Report (Section 4.0).

Change 9 - Removal of an AGI from the Work No. 2B area – Category 'A'

- 2.3.48. An AGI has been removed from the scope of the Proposed Development following engineering interface discussions with the relevant stakeholders including Anglo American and NZT Power.
- 2.3.49. The change will not alter the Order Limits.
- 2.3.50. The affected area is indicated by hatching over the dark green square, on Figure 9 of the Comparison Plans (Document Ref. 7.8).

3.0 NON-STATUTORY CONSULTATION ON THE CHANGES

- 3.1.1. Informal (non-statutory) consultation on the proposed changes has been undertaken by the Applicant in line with the consultation proposals set out in the Change Notification [PDA-019]. The ExA's response to the Change Notification dated 21 August 2024 [PD-006] states that the proposed consultation as set out in the Change Notification will ensure fair, appropriate and proportionate consultation.
- 3.1.2. The Change Application includes a Consultation Statement (Document Ref. 7.5) and its Appendices (Document Ref. 7.6) that set out in detail the non-statutory consultation undertaken and how regard has been had to the comments received to the consultation.
- 3.1.3. A summary of the consultation undertaken is provided below:
- A consultation letter was sent to prescribed persons, relevant local authorities and landownership interests (those person defined by Sections 42, 43 and 44 of the PA 2008), in addition to certain non-prescribed persons on 4 September 2024. The list of consultees compiled for the Section 56 notifications was updated and used for the purposes of the consultation, with two new parties consulted on the basis of the latest land referencing information.
 - A total of 463 consultation letters were issued by Royal Mail First Class post. Copies of the letters were also emailed where email addresses were available (146 letters in total).
 - The consultation letter provided a summary of the proposed changes and included a link to the project website from where a Proposed Changes Overview Plan, Consultation Document, Feedback Form and other plans and documents could be downloaded in PDF format. The consultation letter also provided details on how to submit comments and representations.
 - A notice to publicise the consultation was also published in the following newspapers: The Times, London Gazette, Lloyds List, Fishing News, Teesside Gazette, Northern Echo and the Darlington & Stockton Times. The notice provided information on the proposed changes and details of how to submit comments and representations and how to view and obtain copies of the documents and plans.
 - Copies of the notice were also erected at a number of locations around the Order Limits. These locations were inspected weekly over the duration of the consultation period.
 - The document and plans were also made available at three publicly accessible locations within the vicinity of the Proposed Development Site: Redcar Library, Stockton Central Library and Hartlepool Civic Centre.
 - The Applicant also held meetings with a number of Interested Parties.

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- 3.1.4. The consultation commenced on 4 September 2024 and finished at 11.59pm on 7 October 2024, which was longer than the 28 days recommended as per Step 3 of the PINS advice.
- 3.1.5. The consultation letter, newspaper and site notices provided details of how to submit responses via email, post or online. A project phone line was also publicised to provide an alternative method for people to request hard copies of the documents and plans and/or ask questions about the proposed changes or consultation.
- 3.1.6. The Applicant received 31 consultation responses from prescribed and non-prescribed persons and 13 consultation responses from the local community. Tables 5-1 and Table 5-2 in the Consultation Statement (Document Reference 7.5) set out for each response details of the consultee, the date the response was received, a summary of matters raised and how the Applicant has had regard to the responses received.
- 3.1.7. In addition to the above, 9 enquiries were received from members of the public via email or the project phone line, who were seeking additional information on how to access the documents and plans, clarification on how to respond to the consultation or who asked general questions about the Proposed Development. These were not treated as formal responses to the consultation.

4.0 ENVIRONMENTAL ASSESSMENT OF PROPOSED DEVELOPMENT CHANGES

4.1. Introduction

- 4.1.1. This section of the Change Application Report identifies where the proposed changes as described in Section 2.0 have the potential to modify the assessment of impacts and effects as reported in the technical chapters of the Original ES and associated standalone documents. The Change Application Report is intended to be read in conjunction with the Original ES. Where necessary cross-references are made to these documents.
- 4.1.2. In respect of ES Chapter 23: Cumulative and Combined Effects [APP-076] the limited nature of the proposed changes means that it is anticipated that the results of the updated Cumulative Assessment in the Original ES Chapter 23 [APP-076] are unlikely to materially change and so are not considered further. The proposed changes have been considered in the update to the Report to Inform the HRA submitted alongside this Change Application Report, including the in-combination assessment.
- 4.1.3. Consideration of ES Chapter 24: Summary of Significant Effects [APP-077] is also excluded from this assessment. Any changes to effect significance as associated with the proposed amendments are reported in Appendices 1A to 5A of this Change Application Report, thus avoiding repetition.
- 4.1.4. The Applicant confirms that none of the proposed changes lead to the need of any additional species licences.

4.2. Scope and Methodology for the Assessment of the Proposed Changes

- 4.2.1. An environmental screening assessment has been completed to determine whether the changes set out in Section 2.0, are likely to alter the outcomes of the previous environmental assessments presented in the Original ES.
- 4.2.2. The results of the screening assessment are presented in Table 4-1. This assessment identifies areas where further consideration of the likely environmental effects arising from the changes to the Proposed Development is required. These considerations are detailed in Appendices 1A to 5A of this Report (Document Ref. 7.4), for each screened-in assessment.
- 4.2.3. To clearly indicate the changes to the screened-in assessments, the structure of the relevant ES Chapter, Appendix, or standalone document has been followed for each document. New text has been added only to sections where changes have been made, whether in the main text, tables, plates, or figures. Tables and plates included in Appendices 1A to 5A present only updated information (e.g. specific rows), omitting any details that remain unchanged. Consequently, some tables may provide limited information where changes have been applied. If a section from the Original ES chapter, appendix, or standalone document is not included, this indicates that the section remains unchanged and continues to apply as per the original submission, despite the changes to the Proposed Development. Therefore,

this Change Application Report and its Appendices should be read alongside the Original ES.

Table 4-1: Environmental Screening Assessments for Proposed Development Changes

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
Nutrient Neutrality Assessment [APP-047]	OUT	Treated process water discharges to Tees Bay would not change as a result of the Proposed Development Changes. Minor changes in drainage on the Main Site (Change 7) to accommodate changes in building dimensions and reduction in the Main Site area (Change 2.C and 2.D) would not affect the assessment of nutrients from surface water runoff. As such, no changes have the potential to change the nutrient neutrality assessment.	-	-	-
Water Framework Directive Assessment [APP-048]	OUT	None of the Proposed Development Changes would result in deterioration or prevention of future improvement to Water Framework Directive water bodies in the study area, as the mitigation measures as outlined within the DCO Application would continue to be adopted. As such, the Changes would not require any changes to the Water Framework Directive Assessment.	-	-	-
	IN		ES Appendix 8A Air Quality – Construction	OUT	None of the Proposed Development Changes would result in a change in the

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
ES Chapter 8: Air Quality [APP-060]		<p>Changes 4 and 6 would not change the outcomes of the air quality assessment as reported in the Original ES.</p> <p>Changes 2, 3 and 9 would slightly reduce the risk of dust impacts, but not enough to change the conclusion of the dust risk assessment as reported in the Original ES.</p> <p>Change 1 would add an additional emission source on site and impact the source release locations. This is likely to make minor changes to the quantitative operational phase air quality assessment, but not enough to change the conclusions of the assessment as reported in the Original ES.</p> <p>Changes 5 and 7 would remove or alter the buildings considered within the dispersion modelling assessment, including associated site layout alterations. This is likely to make minor changes to the quantitative operational phase air quality assessment, but not enough to change the conclusions of the assessment as reported in the Original ES.</p>	Assessment [APP-190]		<p>baseline conditions during the Proposed Development's construction stage.</p> <p>The removal and addition of temporary construction compounds would result in no net change in dust generation and would not change the dust risk assessment as presented in the ES chapter and associated appendix.</p> <p>None of the Proposed Development Changes would result perceptible changes to the construction traffic predictions.</p>
		ES Appendix 8B Air Quality – Operational Phase [APP-191]	IN	<p>Changes 1, 5 and 7 are considered to have the potential to change air quality effects as reported in ES Appendix 8B - therefore, the implications of these changes have been reviewed and are</p>	

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>Refer to Appendix 1A for more information. Please note that, in undertaking the assessment set out in this Appendix, the Applicant has used updated Air Quality data, which differs from the data used in the Environmental Statement. This update is due to further development of the technical solutions used in the process, leading to changes in some model input parameters, such as flow rates, pollutant emission rates, and the consideration of different flare operation scenarios.</p>			<p>reported in Appendix 1A of this Change Report.</p> <p>Appendix 1A indicates that Change 1 would introduce a second flare which would add an additional emission source on the site. For Changes 5 and 7 the update to building dimensions and the update to building and stack locations at the main site would change the point of release and potential impacts from building downwash.</p> <p>Given the above the air quality dispersion model has been updated for the Proposed Development operation with two flares. The results of the assessment reported in Appendix 1A indicate that the Proposed Development changes would result in no changes to the significance of</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
					air quality effects for any scenarios, although pollutant concentrations for the Start-up and Emergency scenarios would increase due to Changes 1, 5 and 7 .
ES Chapter 9: Surface Water, Flood Risk and Water Resources [APP-061]	OUT	<p>None of the Proposed Development Changes would result in modifications to the surface water, flood risk and water resource impacts during Proposed Development construction, operational or decommissioning as reported in the Original ES. Drainage arrangements to accommodate changes in the building dimensions (Change 7) would be captured within the Detailed Surface Water Drainage Strategy which is a requirement of the DCO (Requirement 10(1)) – this would not result in any change to the assessment as presented in the Original ES.</p> <p>The reduction in the Main Site area (Changes 2.C and 2.D) would be likely to reduce surface water runoff volume, which would be discharged to Tees Bay. However, this would not lead to a change in water quality in Tees</p>	ES Appendix 9A Flood Risk Assessment [APP-192]	OUT	None of the Proposed Development Changes would result in a change to the flood risks as reported in the ES Appendix 9A [APP-192].
			ES Appendix 9B Water Quality Modelling Report [APP-193]	OUT	<p>The reduction in the Main Site area (Change 2.C and 2.D) would affect the surface water discharge volume from the site – as such this has been considered in the context of the results of the Water Quality Modelling Report [APP-193].</p> <p>The Water Quality Modelling Report concluded that process water discharge from the Proposed Development to Tees</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>Bay, as based on the previous modelling results (see ES Appendix 9B [APP-193]) – thus there would be no change to the assessment outcomes as reported in the Original ES.</p>			<p>Bay in isolation would not result in any reduction in water quality over the tidal cycle. Similarly, no reduction in water quality would occur when surface water discharges were also taken into account with process water, as this resulted in smaller mixing zones for most substances given pre-dilution of those substances. Based on these outcomes, reducing the volume of drainage from the Main Site will not lead to any water quality reduction. Although pre-dilution of contaminants and discharge velocity would be reduced in this scenario, there would still be some dilution over the process water only scenario and the Water Quality Modelling Report concluded that process water only scenario would not result</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
					in any reduction in water quality over tidal cycle. As such, the reduction in the Main Site area and consequent reduction in rainfall runoff would not change the conclusion as reported in the Original ES that there would be no significant impact predicted on water quality in Tees Bay or non-compliance with the Water Framework Directive (WFD).
ES Chapter 10: Geology, Hydrogeology and Contaminated Land [APP-062]	OUT	None of the Proposed Development Changes would result in changes to the impacts as previously assessed during the Proposed Development construction, operational or decommissioning stages as reported in the Original ES as they would not involve any extension of groundworks.	ES Appendix 10A Desk Based Summary Report [APP-194] to ES Appendix 10D Geotechnical Risk Register [APP-197]	OUT	None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendices 10A or 10D as they would not involve any extension of groundworks.
ES Chapter 11: Noise and	IN	Changes 1, 5, 7 and 9 are not expected to change the outcomes of the noise assessment	ES Appendix 11A Construction Noise Levels and	IN	Changes 2.A, 2.E, 3, 4 and 6 would result in changes to construction noise levels and

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
Vibration [APP-063]		<p>as reported in the Original ES. This is because they would not affect the noise and vibration effects as predicted in the Original ES.</p> <p>Change 4 is considered to result in a negative change for Noise Sensitive Receptor (NSR) H4 due to the distance from the proposed closest compound site changing from 1,309 m as reported in the Original ES to 37 m. The closer proximity of NSR H4 to the closest temporary construction compound would increase the free-field construction noise level predicted for the Main Site and Compounds e during daytime construction activity from 50 to 76 dB $L_{Aeq, 12h}$ (Negligible effect to Moderate effect). A detailed noise assessment will be undertaken, if required, once the EPC Contractor(s) is appointed to identify specific mitigation measures to reduce the residual effects to non-significant, including keeping to noise limits established pursuant to Requirement 20 of the draft DCO, as stated in Appendix 2A of this Change Report.</p> <p>Changes 2, 3 and 6 would lead to positive change where construction works would be</p>	Assumptions [APP-198]		<p>assumptions – these changes are considered in Appendix 2A of this Change Report.</p> <p>Changes 1, 5, 7 and 9 are screened out as none of these changes would result in changes to the predicted noise levels reported in the Original ES.</p>
			ES Appendix 11B Operational Noise Information [APP-199]	OUT	None of the Proposed Development Changes are expected to change the outcomes as reported in ES Appendix 11B.
			ES Appendix 11C Baseline Sound Survey Monitoring Information [APP-200]	OUT	None of the Proposed Development Changes alter Appendix 11C.

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		moved further from NSRs or changes to the proposed construction plant. However, updates to the construction noise assessment have been made to include these - refer to Appendix 2A for more information.			
ES Chapter 12: Ecology and Nature Conservation (including aquatic ecology) [APP-064]	IN	<p>As reported above for ES Chapter 8: Air Quality [APP-060], Change 1 would result in minor changes to the quantitative operational phase air quality assessment, but not sufficient to change the conclusions of the assessment as reported in the Original ES, and therefore this change would also not change the conclusions of the ecological assessment.</p> <p>Change 2 (A to F) would affect the types of habitats impacted as follows:</p> <ul style="list-style-type: none"> Land take reductions at Cowpen Bewley would decrease the loss of improved and poor semi-improved grassland, habitats deemed of negligible importance. Land take reductions at Venator would decrease the loss of neutral semi-improved 	ES Appendix 12A: Phase 1 Habitat and Botanical Survey Report [APP-201]	IN	The Proposed Development Changes would alter the extent of the habitats impacted. All habitats within the Proposed Development Site have been surveyed previously.
			ES Appendix 12B: Great Crested Newt Survey Report [APP-202]	OUT	None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12B. None of the changes would result in any additional waterbodies being screened into the assessment.

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>grassland, swamp and amenity grassland. The semi-improved grassland and swamp are part of a coastal and floodplain grazing marsh priority habitat of district importance.</p> <ul style="list-style-type: none"> Land take reductions to the east of the Main Site would decrease the loss of ephemeral/ short perennial vegetation, bare ground and neutral semi-improved grassland, all of which contribute to open mosaic habitat on previously developed land, also of district importance. Land take reductions to the west of the Main Site would decrease the loss of bare ground, which is of negligible importance. This change would also reduce noise and visual disturbance at Bran Sands Bay. 	<p>ES Appendix 12C: Bat Survey Report [APP-203]</p>	<p>OUT</p>	<p>None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12C. None of the Proposed Development changes would impact any habitats assessed to be suitable for roosting or foraging and commuting bats.</p>
			<p>ES Appendix 12D: Reptile Survey Report [APP-204]</p>	<p>OUT</p>	<p>None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12D. None of the changes would result in reductions to impacts upon habitats suitable for reptiles.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<ul style="list-style-type: none"> • Land take reductions at the Main Site access point would decrease the loss of neutral semi-improved grassland of local importance and bare ground of negligible importance. • The land take reduction at Lazenby would reduce the loss of open mosaic habitat, which is of district importance. • Land take reduction at Saltholme would decrease the loss of poor semi-improved grassland, habitats deemed of negligible importance. <p>Change 3 would result in a reduction in the loss of bare ground of negligible importance. This change would also reduce noise and visual disturbance at Bran Sands Bay.</p>	<p>ES Appendix 12E Invertebrate Survey Report [APP-205]</p>	<p>OUT</p>	<p>None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12E, given that the changes involve reductions in land take.</p>
		<p>Change 3 would result in a reduction in the loss of bare ground of negligible importance. This change would also reduce noise and visual disturbance at Bran Sands Bay.</p>	<p>ES Appendix 12F Water Vole and Otter Survey Report [APP-206]</p>	<p>OUT</p>	<p>None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12F, given that the changes involve reductions in land take.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>Change 6 would lead to positive noise reduction due to reductions in plant at temporary construction compounds.</p> <p>Changes 4, 5, 7 and 9 would not result in any changes to the ecological assessment as reported in the Original ES.</p> <p>Refer to Appendix 3A for more information.</p>	ES Appendix 12G : Aquatic Ecology Survey Report [APP-207]	OUT	None of the Proposed Development Changes have the potential to change the outcomes as reported in ES Appendix 12G, given that the changes involve reductions in land take.
ES Chapter 13 : Ornithology [APP-065]	IN	<p>Changes 1, 4, 5, 7 and 9 would not change the ornithological outcomes as reported in the Original ES. This is because the Proposed Development Changes do not impact upon the key ornithological features assessed or the changes are situated further away from such features. Additionally, predicted noise levels remain below the significance threshold where important ornithological features regularly occur, as reported in the Original ES.</p> <p>Changes 2, 3 and 6 are anticipated to result in a positive change as compared to the outcomes as presented in the Original ES.</p> <p>Change 3 would lead to a predicted 10dB decrease in construction noise impacts on</p>	ES Appendix 13A : Ornithology Baseline Report [APP-208]	OUT	<p>None of the Proposed Development Changes have the potential to alter the ornithological baseline as presented in ES Appendix 13A [APP-208].</p> <p>The assessment in Appendix 4A to this report considers the information contained in the Supplementary Baseline Ornithology Report submitted alongside the Change Application.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>important bird species that use Bran Sands Bay, following the removal of the Redcar Bulk Terminal Temporary Construction Compound. It is noted that the Original ES proposed mitigation measures to reduce the predicted noise impact such that the effects of the compound would not be significant.</p> <p>Change 6 would lead to a positive reduction in noise and visual impacts on important bird species due to the decrease in the amount of plant using temporary construction compounds. However, this reduction in plant would not change the significance of effects as reported in the Original ES.</p> <p>Refer to Appendix 4A for more information.</p>			
<p>ES Chapter 14: Marine Ecology [APP-067]</p>	<p>OUT</p>	<p>None of the Proposed Development Changes would result in changes to the impacts as reported in the Original ES.</p> <p><u>Construction</u></p> <p>The Proposed Development Changes related to the construction phase (Changes 3, 4, 6, 9) would not result in modifications to the</p>	<p>No appendices were submitted to supplement ES Chapter 14: Marine Ecology [APP-067].</p>	<p>-</p>	<p>-</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>marine ecology impacts as reported in the Original ES.</p> <p>Increases in the Order Limits (Category 'D' changes) do not fall within the marine environment and therefore would not result in any additional marine habitat loss or gain and thus would not change the conclusions as reported in the Original ES.</p> <p>Overall, the changes to the Proposed Development have the potential to alter the predicted airborne sound production during the construction phase, which could affect seals hauled-out at Seal Sands. This includes the removal of the RBT temporary construction compound for construction activities (although modular unloading would still occur here) (Change 3) as well as the addition of a temporary construction compound on land at Navigator Terminals (Change 4).</p> <p>The proposed changes have not resulted in a significant change in the modelling of airborne noise specific to understanding potential</p>			

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>effects to seals. There is a slight decrease in the unweighted predicted free-field sound level at modelling location Eb6 (nearest to the Main Site at Seals Sands see Figure 14-7) from 63 dB to 59 dB. This was due to the removal of compounds at the Main Site. This did not change the predicted unweighted exposure level for construction activities in combination with ambient levels, remaining equal to ambient sound levels (127 dB). Therefore, there is no change to the overall assessment findings as reported in the Original ES.</p> <p>Therefore, the Proposed Development Changes are not considered to change the conclusions of the construction impact assessments for marine ecology as reported in the Original ES. The proposed mitigation measures as reported in the Original ES would still be applicable and effective to mitigate effects to ensure no likely significant effects arise.</p> <p><u>Operation</u></p>			

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>The Proposed Development Changes applicable to the operational phase would change the conclusions of the marine ecology assessment as reported in the Original ES. The Proposed Development Changes, such as the addition of a second flare (Change 1), may result in small increases in emissions, but these would not result in changes to the air quality aspects considered in ES Chapter 14: Marine Ecology.</p> <p>Changes 5 and 7 would not result in any changes to the marine assessment as reported in the Original ES.</p>			
ES Chapter 15: Traffic and Transport [APP-068]	OUT	<p>Changes 1, 2, 5, 6, 7 and 9 would not alter the outcomes of the Transport Assessment.</p> <p>Changes 3 and 4 would result in changes to traffic volumes both north and south of the River Tees, although these changes would not be of a sufficient volume to change the conclusions of the Original ES.</p> <p>Whilst there would be no change to the overall vehicle numbers due to the addition of the temporary construction compound at</p>	ES Appendix 15A Transport Assessment [APP-210]	OUT	<p>Changes 1, 2, 5, 6, 7 and 9 would not alter the outcomes of the Transport Assessment.</p> <p>Changes 3 and 4 would result in changes to traffic volumes both north and south of the River Tees, although these changes would not be of a sufficient volume to change the conclusions of the Original ES.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>Navigator Terminal on the north bank of the River Tees (Change 4), the total number of vehicle trips at the Seal Sands temporary construction compound would be slightly decreased compared to the figures in ES Table 15-10 of ES Chapter 15: Traffic and Transport [APP-068].</p> <p>South of the River Tees, the overall vehicle numbers would remain unchanged. However, the removal of the RBT Satellite Compound (Change 3) would lead to a slight increase in trips to and from both the Main Site and the Wilton temporary construction compound, compared to the data previously reported in the Original ES.</p> <p>The new distribution of temporary construction compounds is:</p> <ul style="list-style-type: none"> ● North of River Tees: <ul style="list-style-type: none"> – Seal Sands Compound; – Greatham Satellite Compound; – Cowpen Bewley Satellite Compound: 			<p>Whilst there would be no change to the overall vehicle numbers due to the addition of the temporary construction compound at Navigator Terminal on the north bank of the River Tees (Change 4), the total number of vehicle trips at the Seal Sands temporary construction compound would be slightly decreased compared to the figures in ES Table 15-10 of ES Chapter 15: Traffic and Transport [APP-068].</p> <p>South of the River Tees, the overall vehicle numbers would remain unchanged. However, the removal of the RBT Satellite Compound (Change 3) would lead to a slight increase in trips to and from both the Main Site and the Wilton temporary construction compound, compared to the data</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<ul style="list-style-type: none"> - Billingham Industrial Park Satellite - Compound; and - Construction Compound on land at Navigator Terminals (Change 4). • South of River Tees: <ul style="list-style-type: none"> - Main Site Compound; and - Wilton International Satellite Compound. 			previously reported in the Original ES. -
	-	-	Construction Workers Travel Plan [APP-049]	OUT	None of the Proposed Development Changes will alter the Construction Traffic Management Plan.
	-	-	Construction Traffic Management Plan [APP-050]	OUT	None of the Proposed Development Changes will alter the Construction Traffic Management Plan.
ES Chapter 16: Landscape and Visual Amenity [APP-069]	IN	Changes 2, 5 and 6 would not alter the outcomes of the landscape and visual amenity assessment as reported in the Original ES as the changes comprise minor reductions to the	ES Appendix 16A Landscape and Visual Methodology [APP-211]	OUT	None of the Proposed Development Changes alter the approach or methodology used for the assessment of landscape and visual effects.

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>Order Limits, construction activities and dimensions of proposed buildings.</p> <p>Change 1 would introduce a second flare which would add a further detracting element into the view, which would be visible within views from the identified viewpoints. However, the additional visible flare would sit within the already industrial landscape of the site and would not change the character of the view. As such Change 1 would not change the conclusions as reported in the Original ES.</p> <p>Change 3 comprises the removal of the RBT Temporary Construction Compound, which would otherwise have been visible from representative viewpoint locations to the north of the Proposed Development. Nevertheless, this change would not alter the conclusions as reported in the Original ES.</p> <p>Change 4 comprises the addition of a Temporary Construction Compound on land at Navigator Terminals – this compound may be visible from nearby representative viewpoint locations. However, this compound would be</p>			Thus, no changes are required to ES Appendix 16A.
			ES Appendix 16B Landscape Character [APP-212]	OUT	None of the Proposed Development Changes alter the landscape baseline or Study Area and thus no changes are required to ES Appendix 16B.
			ES Appendix 16C Potential Viewpoints [APP-213]	OUT	None of the Proposed Development Changes require alteration to the potential viewpoints, and thus no changes are required to ES Appendix 16C.

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>located within an already heavily industrialised setting, in this case on the north bank of the River Tees, such that there would be no changes to the effects as reported in the Original ES.</p> <p>Change 7 would increase the height of the flash vessel which would make it slightly more noticeable within views from the identified viewpoints. However, since the flash vessel would be situated within the existing industrial landscape of the site, and landscape contains other existing tall vertical features, it would not alter the overall character of the view as reported in the Original ES.</p> <p>Change 9 comprises the removal of an AGI which would otherwise have been visible from representative viewpoint locations to the north of the Proposed Development. However, removal of the AGI would not change the character of the view and thus would not change the conclusions as reported in the Original ES.</p>			

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		Change 1, 3 and 4 and an updated set of photomontages have been provided to illustrate Change 1 (Figures 16-7-1a to 16-7-4c Photomontages) in Appendix 5A. Refer to Appendix 5A for more information.			
Chapter 17: Cultural Heritage [APP-070]	OUT	<p>Change 2, 3, 5, 6, 7 and 9 would not alter the heritage impacts as reported in the Original ES. In all instances, these changes would reduce or maintain the overall footprint of the Proposed Development but would not change the assessment of effects on cultural heritage assets.⁹</p> <p>Change 1 would introduce a second flare with the potential to be visible from the nearby grade II listed buildings of Marsh Farmhouse and Westfield House (NHLE 1159837), Marsh Farmhouse and Cottage (NHLE 1160308), garden wall (NHLE 1139619) and stable and barn (NHLE 1139620). However, ES Chapter 17: Cultural Heritage [APP-070] demonstrates that the Main Site would not form part of the setting of these assets and thus does not contribute to the significance of these heritage assets. As such, the introduction of a second</p>	Appendix 17A Cultural Heritage Desk Based Assessment [APP-214]	OUT	None of the proposed changes have the potential to change the outcomes of this appendix for the same reasons given for the chapter.

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>flare would not change the reported impacts to any heritage assets as reported in the Original ES.</p> <p>Change 4 comprises the addition of the temporary construction compound on land at Navigator Terminals – this would not impact any designated assets through changes to their setting. Furthermore, as the compound would be situated on reclaimed land, there is no potential for previously unrecorded archaeological remains to be impacted by the proposed works.</p>			
ES Chapter 18: Socio-economics and Land Use [APP-071]	OUT	None of the Proposed Development Changes would result in modifications to the socio-economics impacts as reported in the Original ES.	No appendices were submitted to supplement ES Chapter 18: Socio-economics and Land Use.	-	-
ES Chapter 19: Climate Change [APP-072]	OUT	All of the Proposed Development Changes except Change 1 would result in a positive impact to climate assessments during the construction, operation and decommissioning of the Proposed Development. The climate	ES Appendix 19A Climate Change Resilience Assessment [APP-215]	OUT	All of the proposed changes except Change 1 result in positive impact to climate resilience of the Proposed Development and will not

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>assessment as reported in the Original ES therefore represents a worst-case-scenario.</p> <p>Change 1 would introduce an additional flare - with the same operational specification as assessed in the ES, and therefore, increase in greenhouse gas (GHG) would be immaterial to the overall assessment (given that flare pilot emissions would be less than 1% of the Proposed Development’s operational GHG emissions). Please refer to ES Tables 19-8 and 19-9 of the Original ES [APP-072]. GHG increases associated with Change 1 would be far exceeded by the benefits of Change 5.</p> <p>Change 5 would have a beneficial impact due to the reduction in emissions resulting from electricity demand reducing from 70MW to 40MW.</p> <p>Change 2, 3, 6 and 9 would all have a beneficial impact on the assessment, meaning that the assessment as reported in the Original ES remains a worst case scenario.</p> <p>Change 4 and 7 would not have a material impact on the construction or operational</p>	<p>ES Appendix 19B In-Combination Climate Change Impact Assessment [APP-216]</p>	<p>OUT</p>	<p>affect the risk ratings presented in this appendix.</p> <p>All changes except Change 1 result in positive impact to climate resilience of the Proposed Development and will not affect the risk ratings presented in this appendix.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		GHG emissions as reported in the Original ES. GHG emissions from energy consumption in construction compounds (Change 4) were assessed using benchmark figures which remain applicable. Emissions from the Flash Vessels (Change 7) would remain unchanged.			
ES Chapter 20: Major Accidents and Disasters [APP-073]	OUT	<p>Change 1 would lead to the introduction an additional flare. An individual bespoke flare for each phase would be beneficial by routing gas to be flared to two locations, thereby minimising the volume in either system.</p> <p>None of Changes 2,3,4, 6, 7 and 9 would result in modifications to the impacts previously assessed during the construction, operation or decommissioning stages as reported in the Original ES.</p> <p>Change 5 entails the removal of the ASU from Phase 1 – this would be beneficial to the Proposed Development as it removes a hazard associated with storing liquid O₂ on the site during Phase 1.</p> <p>With regard to Change 7, as the vessel would be designed as per As Low As Reasonably</p>	ES Appendix 20A Long List of Major Accidents and Disasters Risk Events [APP-217]	OUT	<p>Change 5 – the removal of the ASU from Phase 1 would lower the risk of fire and explosion hazards associated with storing liquid O₂ on site during that phase. However, the hazard would still remain in Phase 2 as the ASU would not be removed for that phase.</p> <p>None of the Proposed Development Changes would alter the long list of potential major accidents and disasters risk events as detailed in ES Appendix 20A.</p>

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		Practicable (ALARP) with best design, there would be no changes to the impacts previously assessed during the construction, operation, or decommissioning stages as reported in the Original ES			
ES Chapter 21: Materials and Waste Management [APP-074]	OUT	None of the Proposed Development Changes would result in modifications to the impacts previously assessed and therefore, they do not change the assessment of effects on materials and waste management as reported in the Original ES.	ES Appendix 21A Minimum Liquid Discharge Waste Sites [APP-220]	OUT	None of the Proposed Development Changes alter ES Appendix 21A as this appendix presents a summary of waste management sites for the Yorkshire and Humber and North East Regions.
ES Chapter 22: Human Health [APP-075]	OUT	Although some changes (such as Change 1 and Change 4) have the potential to produce minor adverse effects for noise and air quality (which could impact human health), the magnitude of these changes is such that there would be no significant alteration to the levels of impact on noise and air quality as previously reported in the ES as set out in Appendices 1A and 2AY to this Report. Therefore, there would be no significant change to the levels of impact on human	No appendices were submitted to supplement ES Chapter 22: Human Health.	-	-

ES CHAPTER / STANDALONE DOCUMENTS	SCREENING DECISION (OUT/IN)	RATIONALE	APPENDIX	SCREENING DECISION (OUT/IN)	RATIONALE
		<p>health as previously reported in the ES. None of the Proposed Development Changes would result in modifications to the impacts as previously assessed during the construction, operational or decommissioning stages. As a result of this, the Proposed Development Changes do not lead to a modification of the assessment of effects on human health as reported in the Original ES.</p>			

4.3. Environmental Summary

- 4.3.1. This environmental screening assessment has considered how the proposed changes as described in Section 2.0 have the potential to change the outcomes as reported in the Original ES.
- 4.3.2. A limited number of impacts that have been screened in for further assessment and are considered in Appendices 1A to 5A of this Change Application Report. These further assessments conclude that the proposed changes would not result in any significant residual effects.
- 4.3.3. Screening in/out of each environmental topic is reported in Section 4.0 of this document. Table 4-2 summarises where these amended ES chapters and appendices can be found within this Change Report.

Table 4-2: Summary of Updates to Original ES Assessments

ENVIRONMENTAL ASSESSMENT	CHANGES RELEVANT	APPENDIX
Air Quality	1, 5 and 7	1A
Noise and Vibration	2, 3, 4 and 6	2A
Ecology	1, 2, 3 and 6	3A
Ornithology	2, 3 and 6	4A
Landscape and Visual Impact	1, 3, 4, 7 and 9	5A

- 4.3.4. The updated Report to Inform HRA submitted alongside this Change Application Report confirms that there are no changes to its conclusions as a result of the proposed changes.

5.0 COMPLIANCE WITH THE CA REGULATIONS

- 5.1.1. As explained earlier in this document, the Applicant is proposing to make changes to the Order Limits/Order Land. For the Category D change (Change 8), this involves the proposed provision (for the purposes of ‘The Infrastructure Planning (Compulsory Acquisition) Regulations 2010’ (the ‘CA Regulations’)) of new land over which the Applicant is proposing to exercise powers of compulsory acquisition of rights, and existing Order Limits land where rights are proposed (the ‘Additional Land’).
- 5.1.2. The Applicant is endeavouring to obtain consent from all persons with an interest in the Additional Land to the inclusion of the proposed provision within the DCO documentation. However, given the complicated position in and around the relevant land, the Applicant proposes that a precautionary approach is taken that not all consents may be able to be obtained. As such, the Applicant therefore intends that the CA Regulations should be applied to Change 8.
- 5.1.3. The PINS guidance ‘Planning Act 2008: Examination stage for Nationally Significant Infrastructure Projects’ includes a sub-section on changes made to an application during examination (paragraph 018, Reference ID 07-018-20240430), noting that the ExA will need to consider if the proposed changes would trigger Regulation 4 of the CA Regulations, which in turn requires Regulations 5 to 19 to be complied with.
- 5.1.4. In the ExA’s response to the Change Notification dated 21 August 2024 [PD-006], the ExA agreed that Regulation 4 of the CA Regulations would apply with regard to Change 8, and therefore considered the procedures set in the CA Regulations should be applied. The ExA also advised that the Applicant needs to ensure the information prescribed by Regulation 5 of the CA Regulations is submitted as part of the Change Application. Table 5-1 below sets out how the information provided with the Change Application complies with Regulation 5.

Table 5-1: CA Regulation 5 Requirements and where dealt with in Change Application

CA REGULATION 5 REQUIREMENT	WHERE DEALT WITH IN CHANGE APPLICATION
A supplement to the Book of Reference	<p>The Applicant has submitted a consolidated update of this document which accounts for all the proposed changes, with changes that are associated with the ‘Additional Land’ highlighted in yellow. This has been done given the range of changes being introduced.</p> <p>This performs the role of the Supplementary Book of Reference required by the CA Regulations (with such an approach being accepted on other projects such as Drax BECCS).</p>

CA REGULATION 5 REQUIREMENT	WHERE DEALT WITH IN CHANGE APPLICATION
A land plan identifying the additional land, or the land affected by the proposed provision of additional compulsory acquisition	Supplementary Land Plans (Document Reference. 2.2a) have been provided. These plans identify the additional land affected as a result of Change 8.
A statement of reasons as to why the additional land is required	A Supplementary Statement of Reasons (Document Ref. 3.2a) has been provided.
A statement indicating how it is proposed to fund acquisition of the additional land (a funding statement)	A Supplementary Funding Statement (Document Ref. 3.3a) has been provided.

- 5.1.5. The PINS advice sets out that the Applicant should provide a supplemental land rights tracker giving details of the status of negotiations about the additional land. In view of the limited number of parties involved, the Applicant has not submitted a separate document. Instead, an update is provided below.
- 5.1.6. The Additional Land is required to enable the Applicant to utilise an existing natural gas pipeline (National Gas Pipeline) to import its natural gas to the Main Site. The gas pipeline itself is owned by Sembcorp Utilities (UK) Limited, with whom the Applicant has been engaged in discussions since mid-2022 and is currently holding regular meetings. Sembcorp Utilities (UK) Limited are aware of the proposed changes and how they affect their assets.
- 5.1.7. The freehold owners of the Additional Land (through which the pipeline passes) include Teesside Gas & Liquids Processing, PD Teesport Limited, Navigator Terminals Seal Sands Limited, The Crown Estate and Anglo American Woodsmith (Teesside) Limited. All of these entities are parties with whom the Applicant is already engaged in negotiations with for adjacent and other land rights and has been engaging with in respect of the natural gas pipeline.
- 5.1.8. The PINS advice also sets out that the Applicant should also include a detailed description of how they consider the procedures in Regulations 6 to 19 of the CA Regulations can be accommodated within the examination timetable. The updated and programme is set below:
- **Steps 1 to 4** – these are set out in Section 1.0 of this Change Application Report.
 - **Step 5** – ExA decision on whether to accept the changes including the Category D change pursuant to Regulation 6 of the CA Regulations: this is at the ExA's discretion but the Applicant would welcome this by being **23 October 2024** to enable the next steps in the process to fit within the Examination timetable.

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- **Step 6** – Change 8 notification/publicity in accordance with Regulations 7 and 8 of the CA Regulations. In respect of Section 57 parties, this will be limited to those with an interest in the Additional Land– **1 November 2024**: this is the final publication date for the required newspaper notice. Letters will be issued on or before 25 October 2024 to the relevant parties. A notice will be published in both national and local newspapers on 25 October 2024 and again in local newspapers on 1 November 2024. The notice will also be erected at intervals around the proposed Order Limits and at the location of any unknown interests within the Additional Land.
 - **Step 7** – End of CA Regulations Relevant Representations period – **29 November 2024**: 28 days from the day after the day the last newspaper notice is published. The precise deadline will be 11.59pm on 29 November 2024.
 - **Step 8** – Applicant commits to submitting CA Regulations Regulation 9 Certificate – this will be submitted by **3 December 2024** at the latest to allow for the following steps to take place.
 - **Step 9** – CA Regulations Regulation 11 – ExA Initial Assessment of Issues and confirmation of Timetable – **9 December 2024**. In the Applicant’s view a Regulation 11 ‘Meeting’ is unlikely to be required given the nature of the change and the Applicant’s on-going engagement with the affected parties.
 - **Steps 10 and 11** – CA Regulations Written Representations Date and CA Regulations Regulation 14/15 Hearings – January Hearings dates. A Procedural Decision by 9 December 2024 would fit with the Applicant publishing a hearings notice by 13 December 2024, catering for the hearings on either 9 or 10 January 2025 or the week commencing 13 January 2025 as set out in the Rule 8 letter. The CA Regulations Written Representations date could be 6, 7 or 8 January 2025 (being more than 21 days from 9 December 2024).

6.0 REFERENCES

- HM Government (2008). *Planning Act 2008*.
- Planning Inspectorate (2024). *Nationally Significant Infrastructure Projects Changes to an Application after it has Been Accepted for Examination*.