

Net Zero Teesside Project

Planning Inspectorate Reference: EN010103

Land at and in the vicinity of the former Redcar Steel Works site, Redcar and in Stockton-on-Tees, Teesside

The Net Zero Teesside Order

Document Reference: 6.7c DCO Non-Material Change - Environmental Statement Addendum – Non-Technical Summary

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (as amended)

The Infrastructure Planning (Applications: Prescribed Forms and Procedure Regulations 2009 – Regulation 5(2)(a)



Applicants: Net Zero Teesside Power Limited (NZN Power Ltd) & Net Zero North Sea Storage Limited (NZNS Storage Ltd)

Date: March 2025

Table of Contents

1. Introduction and Scope of DCO Environmental Statement Addendum	2
1.1 Introduction.....	2
1.2 Scope and Methodology of the DCO Non-Material Change ES Addendum.....	3
1.3 Structure of the DCO Non-Material Change ES Addendum	4
2. Proposed Development Changes	5
2.1 Introduction.....	5
2.2 Description of Proposed Development Changes.....	5
3. Changes to the Original Environmental Statement (as Amended).....	7
3.1 Introduction.....	7
3.2 Changes to Chapters 1-7 of the Original ES (as amended)	7
3.3 Environmental Assessment of the Proposed Development Changes.....	9

Tables

Table 3-1: Changes in Likely Significant Effects (LSEs) as a result of the Proposed Development Changes [APP-088]	8
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1. Introduction and Scope of DCO Environmental Statement Addendum

1.1 Introduction

Background

- 1.1.1 This document presents a Non-Technical Summary (NTS) of the Net Zero Teesside Order 2024 (DCO) Non-Material Change Application Environmental Statement (ES) Addendum.
- 1.1.2 On 16 July 2021, Net Zero Teesside Power Limited and Net Zero North Sea Storage Limited (the 'Applicants') made an application for a Development Consent Order (DCO) under the Planning Act 2008 to the Planning Inspectorate (who considers such applications on behalf of the Secretary of State for Energy Security and Net Zero (DESNZ) (the 'DCO Application'). The DCO Application was accepted for examination on 16 August 2021.
- 1.1.3 The DCO Application was for development consent for the construction, operation and maintenance of the Net Zero Teesside Project ('NZT'), including associated development (together the 'Proposed Development') on land at and in the vicinity of the former Redcar Steel Works site, Redcar, and on land in Stockton-on-Tees, on Teesside (the 'Site'). The former Redcar Steel Works site is within the landownership South Tees Development Corporation (STDC).
- 1.1.4 On 16th February 2024, the Secretary of State for DESNZ granted development consent for the DCO Application. Accordingly, the Net Zero Teesside Order 2024 was made on 16 February 2024 and came into force on 11 March 2024 (the 'Order').
- 1.1.5 As a result of ongoing design development and consultation, the Applicants are proposing four changes to the Order (hereafter referred to as the 'Proposed Development Changes'). The Applicant therefore submits this Non-Material Change Application to seek consent for the Proposed Development Changes.

Purpose of this document

- 1.1.6 As a result of the Non-Material Change Application, the Environmental Statement [**APP-083** to **APP-347**] submitted as part of the DCO Application was reviewed to identify if any of the Proposed Development Changes altered the scope and conclusions of the original ES.
- 1.1.7 The DCO Non-Material Change ES Addendum should be read in conjunction with the original ES as amended by the First ES Addendum [AS-049 to AS-132], the Second ES Addendum [**REP6-106** to **REP6-108**], Cumulative Greenhouse Gas Onshore and Offshore Assessment [**REP6-123**], the Third ES Addendum [**REP 12-118 – REP12-119**], Habitat Regulations Assessment



(HRA) [REP12-121], the post Examination HRA Addendum¹ submitted August 2023 in response to the Secretary of State's Request for further information dated 16 May 2023, and the Technical Note to the Environment Agency and Natural England on Nitrogen Deposition submitted December 2023². This is hereafter referred to as the "**Original ES (as amended)**". The DCO Non-Material Change ES Addendum also identifies where the DCO Non-Material Change ES Addendum text supersedes the Original ES (as amended) text.

- 1.1.8 The DCO Non-Material Change ES Addendum considers how the Proposed Development Changes affect the assessments presented in the Original ES (as amended). It does not consider that there are any changes in baseline conditions which were not previously considered in the Original ES (as amended). Where there is no change in significance rating of an assessment then, to confirm, the likely significant effects are the same as those listed in the Original ES (as amended). No new likely significant effects are anticipated as a result of the Proposed Development Changes.
- 1.1.9 The Proposed Development Changes are refinements to the extent of works consented under the Order, which are required as a result of detailed design in connection with the Proposed Development. As it is the changes to the extent of works that triggers potential changes to the environmental effects reported on in the Original ES (as amended), this DCO Non-Material Change ES Addendum assesses the impact of the Proposed Development Changes on environmental receptors and assesses whether they will give rise to any likely significant effects by reference to the Order Work Numbers.

1.2 Scope and Methodology of the DCO Non-Material Change ES Addendum

- 1.2.1 Throughout this DCO Non-Material Change ES Addendum, references are given to the Examination Library numbers assigned by PINS (identified within square brackets, e.g. [APP-043] for information accepted for Examination and to the Applicant's document numbers ('Application Document Ref.' numbers) for documents which are submitted as part of this Change Application.
- 1.2.2 A glossary of terms and list of abbreviations used in this DCO Non-Material Change ES Addendum is provided within the Original ES (as amended) Vol I Cover and Contents [APP-082].
- 1.2.3 The general assessment methodology (specifically Chapter 2 Assessment Methodology submitted with the DCO Application [APP-084]) and topic-specific methodologies, relevant legislation, policy and guidance, key assumptions and limitations set out in the Original ES (as amended) remain unchanged unless specifically stated in this DCO Non-Material Change ES Addendum.

¹ [https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010103/EN010103-002815-NZT%20DCO%206.6%20-%20Wider%20Project%20ES-HRA%20Addendum%20incl.%20Appendix%201%20\(SoS%20RFI\)%204%20Aug%2023.pdf](https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010103/EN010103-002815-NZT%20DCO%206.6%20-%20Wider%20Project%20ES-HRA%20Addendum%20incl.%20Appendix%201%20(SoS%20RFI)%204%20Aug%2023.pdf)

² <https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010103/EN010103-002887-Appendix%202%20-%20Main%20Letter%20-%20Technical%20Note%20to%20EA%20&%20NE%20re%20Nitrogen%20Deposition.pdf>



1.3 Structure of the DCO Non-Material Change ES Addendum

1.3.1 The DCO Non-Material Change ES Addendum comprises of two volumes:

- DCO Non-Material Change ES Addendum Volume I - describes the modifications to the Work Numbers which have triggered the Proposed Development Changes and outlines whether the changes affect the Original ES (as amended); and
- DCO Non-Material Change ES Addendum Volume II - provides updated ES figures.

1.3.2 This NTS accompanies the DCO Non-Material Change ES Addendum and provides a summary of the key findings from the DCO Non-Material Change ES Addendum in non-technical language.



2. Proposed Development Changes

2.1 Introduction

- 2.1.1 This chapter of the NTS presents a brief description of the Proposed Development Changes and evaluates whether the relevant change modifies the description of the Proposed Development as consented in the Order.

2.2 Description of Proposed Development Changes

- 2.2.1 Since the grant of the Order, four changes to the Proposed Development have been identified arising from detailed engineering design work. The four changes have resulted in changes in works under the Work Numbers for the Proposed Development. These changes are set out in the amended Schedule 1 of the Order.
- 2.2.2 Each of the modifications to the Work Numbers associated with the Proposed Development Changes are explained below. Where necessary, Section 3 of this ES Addendum provides an explanation of how chapters of the Original ES (as amended) would change as a result of the Proposed Development Changes if the description of the Proposed Development has changed.
- 2.2.3 An updated Site Location Plan is presented as Figure 1-1 of the DCO Non-Material Change ES Addendum Volume II (Document Ref. 6.7b). The Order Limits are presented in Figure 3-1 and Figure 3-2 of the DCO Non-Material Change ES Addendum Volume II (Document Ref. 6.7b).
- 2.2.4 The Non-Material Change Application will seek the following changes (together 'the Proposed Development Changes') to Schedule 1 'Authorised Development' of the Order:

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

- 2.2.5 Change 1 - The addition of 'Work No. 6A' which would comprise an Above Ground Installation ('AGI') to allow a future spur off the CO₂ gathering network and associated apparatus to be located at Seal Sands; and the addition of 'Work No 9G' to the Order consisting of a temporary construction laydown area for Work No. 6A located on land adjacent to the location of the new AGI. The proposed AGI is located within the existing Order Limits. The proposed temporary laydown area requires new land to be included within the Order Limits. The temporary laydown area in Work No. 9G is needed to facilitate the construction of the new AGI and will be used for the laydown and storage of plant and materials, along with the parking of construction site personnel vehicles. Whilst the additional land is located outside the existing Order Limits, the Applicants are not seeking any compulsory acquisition powers over the land as the land will be secured by agreement.



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

- 2.2.6 Change 2 – An extension to the area allocated for Work No. 2B (natural gas AGI) at the CATS Terminal (Seal Sands). This minor expansion of the proposed AGI area for Work No. 2B of approximately 770 m² follows further detailed land discussions with interested parties and is located entirely within the existing Order Limits and within the existing area of Work No. 2A (natural gas pipeline).

Change 3: Work No. 6 (PCC Site CO₂ Gathering Network Realignment) & Work No 6A (PCC Site AGI)

- 2.2.7 Change 3 - Within the Power, Capture and Compression ('PCC') Site, the Applicants propose the addition of a new AGI under Work No. 6A and the realignment of the CO₂ gathering network under Work No. 6. Both the new AGI and realigned CO₂ pipeline are located entirely within the existing Order Limits.

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

- 2.2.8 Change 4 - Areas of land to be added to existing Work No. 3A (electrical connection), including areas both within and outside the existing Order Limits to facilitate the construction of the electrical connection. The proposed additional areas will allow for the construction of two new cable support structures adjacent to existing bridges over the Tees Valley Line, River Fleet and existing pipelines to carry the cables. This is rather than installing the cables along the existing support structures as previously described in the Original ES (as amended).
- 2.2.9 In order to control the design of the cable structures, which are to be included as part of Work No. 3A, the Applicants are also seeking a change to Requirement 4 (Work No. 3) at Schedule 2 'Requirements' of the Order, as a means to ensure that details of the two proposed cable support structures are submitted for the approval of the relevant planning authority.

3. Changes to the Original Environmental Statement (as Amended)

3.1 Introduction

- 3.1.1 This chapter of the NTS describes any changes in the introductory chapters of the Original ES (as amended) required as a result of the modifications to the extent of works associated with the Proposed Development Changes. Other than these changes, the introductory chapters of Original ES (as amended) remain valid.

3.2 Changes to Chapters 1-7 of the Original ES (as amended)

Chapter 1 – Introduction

- 3.2.1 The general background to the DCO Application and the description of the Proposed Development remains as described in the Original ES (as amended) other than as amended by the Proposed Development Changes. Further consultation has taken place in respect of the Proposed Development Changes, which is detailed in Section 6 of this ES Addendum, however no changes are required to **Chapter 1: Introduction [APP-083]** of the Original ES (as amended).

Chapter 2 – Methodology

- 3.2.2 The assessment methodology and topic-specific methodologies, relevant legislation, policy and guidance, key assumptions and limitations set out in **Chapter 2: Assessment Methodology [APP-084]** remain unchanged so far as relevant to the Proposed Development Changes.

Chapter 3 – Description of the Existing Environment

- 3.2.3 The overall description of the Site set out in **Chapter 3: Site Description of the Existing Environment [APP-085]** remains unchanged and there have been no increases or reductions in the distances measured between the Order Limits and receptors as a result of the Proposed Development Changes, except limited very minor changes which where relevant are set out in the tables below.
- 3.2.4 The Proposed Development Changes increase the Order Limits such that the area of the Site has been increased from approximately 245 ha to 247 ha. The overall change in the Order Limits is shown on updated Figure 6-3.



Chapter 4 – Proposed Development

- 3.2.5 Minor updates have been made to **Chapter 4: Proposed Development [APP-086]** to reflect the Proposed Development Changes, these have been tabulated within Document Reference: 6.7a DCO Environmental Statement Addendum Volume I – Main Text. Each table within that document compares the text presented in the Original ES (as amended) where relevant, and the replacement text to describe the change.

Chapter 5 – Construction Programme and Management

- 3.2.6 Minor updates which have been made to **Chapter 5: Construction Programme and Management [APP-087]** to reflect the Proposed Development Changes, these have been tabulated within Document Reference: 6.7a DCO Environmental Statement Addendum Volume I – Main Text. Each table within that document compares the text presented in the Original ES (as amended) where relevant, and the replacement text to describe the change.

Chapter 6 – Alternatives and Design Evolution

- 3.2.7 Table 3-1 below describe the Proposed Development Changes.

Table 3-1: Changes in Likely Significant Effects (LSEs) as a result of the Proposed Development Changes [APP-088]

Change	Reason for Change	Changes in Environmental Likely Significant Effects (LSEs)
1	Refined based on further studies by the Applicants	Environmental LSEs are the same or lower than assessed in the Original ES (as amended) prior to the Proposed Development Changes
2	Refined based on further studies by the Applicants	Environmental LSEs are the same or lower than assessed in the Original ES (as amended) prior to the Proposed Development Changes
3	Refined based on further studies by the Applicants	Environmental LSEs are the same or lower than assessed in the Original ES (as amended) prior to the Proposed Development Changes
4	Refined based on further studies by the Applicants	Environmental LSEs are the same or lower than assessed in the Original ES (as amended) prior to the Proposed Development Changes

Chapter 7 - Legislation and Policy

- 3.2.8 None of the changes reported on in this Non-Material Change ES Addendum have been driven by legislative changes in national, regional or local policy. At the national level, in March 2024 the Government released a revised suite of National Policy Statements (NPS) for national infrastructure developments. The updated NPS EN-1 now sets out several types of infrastructure (including proposals for natural gas with CCS) which are now considered to be 'critical national priority' (CNP) infrastructure. EN-1 considers CNP infrastructure to be urgently needed for both energy security and achieving Net Zero. .
- 3.2.9 The Applicants note that the relevant national and local policy in regard to the Proposed Development (and Proposed Development Changes) has not substantially changed compared to that taken into account by the Secretary of State in deciding to grant the DCO. As a result, Chapter 7: Legislative Context and Planning Policy [APP-089] has not been updated.

3.3 Environmental Assessment of the Proposed Development Changes

- 3.3.1 The DCO Non-Material Change ES Addendum identifies where the Proposed Development Changes have the potential to modify the assessment of impacts and effects reported in the Original ES (as amended).
- 3.3.2 The DCO Non-Material Change ES Addendum presents a preliminary environmental assessment (screening) of whether the Proposed Development Changes would change the baseline or alter the outcomes of previous assessments presented in the Original ES (as amended).
- 3.3.3 The screening assessment has identified that the Proposed Development Changes will not affect the likely significance of effects predicted for Air Quality, Surface Water, Flood Risk and Water Resources, Geology and Contaminated Land, Noise and Vibration, Terrestrial Ecology, Aquatic Ecology, Marine Ecology, Ornithology, Traffic, Landscape and Visual Amenity, Cultural Heritage, Marine Heritage, Socio-Economics, Climate Change, Major Accidents and Natural Disasters, and Public Health. None of these topics are therefore screened in for further consideration.
- 3.3.4 No new likely significant effects are anticipated as a result of the Proposed Development Changes, therefore no topics have been screened in.
- 3.3.5 As no changes in likely significant effects are anticipated for these topics, no changes to the cumulative and combined assessment are anticipated for the Proposed Development as assessed in in the Original ES (as amended).
- 3.3.6 The DCO Non-Material Change ES Addendum therefore only provides an assessment of the potential for cumulative and combined likely significant



effects to occur as a result of the Proposed Development Changes in isolation.

- 3.3.7 As the Proposed Development Changes will not result in changed or new likely significant effects compared to those presented in the Original ES (as amended), no changed or new likely significant combined effects are anticipated.
- 3.3.8 The DCO Non-Material Change ES Addendum has assessed likely significant cumulative effects of the Proposed Development Changes in isolation from the previously assessed Proposed Development on any new other planned development since the DCO was granted. This process has identified that the Proposed Development Changes will not result in any likely significant residual cumulative effects.
- 3.3.9 Therefore, no changes to the Cumulative Combined Effects Assessments within Chapter 24: Cumulative and Combined Effects (Volume I, Document Ref. 6.2) [**APP-106**] of the Original ES (as amended) are deemed to be required and the Original ES (as amended) assessment remains valid.