



Net Zero Teesside – Second Environmental Statement Addendum Non-Technical Summary

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

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



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1. Non-Technical Summary

1.1 Introduction

- 1.1.1 This document presents a Non-Technical Summary (NTS) of the second addendum to the Environmental Statement (ES) (herein referred to as the Second ES Addendum) that has been prepared to accompany the Development Consent Order (DCO) Application by Net Zero Teesside Power Limited and Net Zero North Sea Storage Limited (the ‘Applicants’) under the Planning Act 2008 to the Planning Inspectorate (who considers such applications on behalf of the Secretary of State for Business, Energy and Industrial Strategy) (the ‘DCO Application’). The DCO Application was accepted for examination on 16 August 2021.
- 1.1.2 The Applicants are seeking development consent for the construction, operation and maintenance of the Net Zero Teesside Project (‘NZZ’), including associated development (together referred to as 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).
- 1.1.3 As a result of ongoing design development and consultation, the Applicants are proposing four changes to the Application (‘the Second Change Request’). The Second ES Addendum and this NTS examine the potential environmental effects of the Second Change Request. This Second ES Addendum is provided in support of the Second Change Request submitted to the Examining Authority.

Terminology used in the Second ES Addendum

- 1.1.4 As a result of the Second Change Request, the Environmental Statement [APP-082 to APP-347] submitted as part of the DCO Application (hereafter referred to as the ‘Original ES’) was reviewed to identify if any of the Proposed Development Changes alter the outcomes of the Original ES.
- 1.1.5 The Second ES Addendum should be read in conjunction with the First ES Addendum [AS-049 – AS132], Original ES [APP-082 to APP-347] and where necessary identifies where the Second ES Addendum text supersedes the ES First Addendum or Original ES text.
- 1.1.6 Whilst the Proposed Development Changes are described as changes (reductions) to the extent of the Order Limits, the driver for those changes is refinements to the extent of works required in connection with the Proposed Development. As it is the changes to extent of works that triggers potential changes to the environmental effects reported on in the Original ES and First ES Addendum, this Second ES Addendum assesses the impact of the modifications to the extent of works by reference to Work Numbers.

1.2 Scope and methodology of the Second ES Addendum

Overview

- 1.2.1 Throughout the Second ES Addendum, references are given to the Examination Library numbers assigned by the Examining Authority (identified within square brackets, e.g. **[APP-083]** for information previously accepted for examination and to the Applicants' document numbers ('Application Document Ref.' numbers) for documents which have yet to be assigned an Examination Library number by the Examining Authority.
- 1.2.2 A glossary of terms and list of abbreviations used in this ES Addendum NTS and is provided is provided within the Original ES submitted with the DCO Application in July 2021 (ES Vol I Cover and Contents **[APP-082]**).
- 1.2.3 The general assessment methodology and topic-specific methodologies, relevant legislation, policy and guidance, key assumptions and limitations set out in Original ES (specifically Chapter 2 Assessment Methodology **[APP-084]** submitted with the DCO Application) remain unchanged unless specifically stated in this ES Addendum.
- 1.2.4 The ES Addendum comprises of two volumes:
- ES Volume I - describes the Proposed Development Changes and outlines whether the changes affect the original ES technical chapters and appendices **[APP-084 to APP-107 and APP-237 to APP-348]** and original ES figures **[APP-109 to APP-236]** submitted with the DCO Application; and
 - ES Volume II - provides updated ES figures, where these are required.
- 1.2.5 This Non-Technical Summary (NTS) accompanies the ES Addendum and provides a summary of the key findings from the ES Addendum in non-technical language.

2. Proposed Development Changes

2.1 Introduction

2.1.1 This section of the NTS presents a brief description of the Proposed Development Changes and evaluates how the change in area of the affected Work Number modifies the description of the Proposed Development and the assessment outcomes as presented in the Original ES and the First ES Addendum.

2.2 Evaluation of Proposed Development Changes

2.2.1 Since the submission of the DCO Application and First ES Addendum, four changes to the Order Limits have been developed. Each of the changes have resulted in changes in the area of the Work Numbers for the Proposed Development, which are presented in Schedule 1 of the draft DCO.

2.2.2 Each of the Proposed Development Changes is explained below. Where necessary, Section 3 of the ES Addendum provides an explanation of how chapters of the Original ES or the First ES Addendum would change as a result of the Proposed Development Changes if the description of the Proposed Development has changed as a result.

2.2.3 The Order Limits are presented in Figure 3.1 (Ref. 6.3.2 Rev 3) and Figure 3.2 (Ref. 6.3.3 Rev 3) of the ES Addendum Volume II (Application Document Ref. 7.11.2). An updated Site Location Plan is presented as Figure 1.1 of ES Addendum Volume II (Application Document Ref 6.3.1 Rev 3).

2.2.4 Table 2-1 provides a summary of the changes proposed and the effect of the change.

Table 2-1 : Summary of the changes proposed and the effect of the change on Work No. areas.

Change	Description	Summary of the effect of the Change in comparison to Original ES assessment
14	Removal of optionality for the CO2 Gathering Network by dropping the HDD crossing of the Tees. (Work Number (Work No.) 6 and 9B)	The effect of Change 14 is likely therefore to be beneficial during the construction phase as HDD launch and receiving points will not be required in the vicinity of the Tees and there will be no requirement to manage traffic associated with the works. The change will not have any change in the previously predicted effects during the operation or decommissioning phases.

3. Changes to the Original Environmental Statement

3.1 Introduction

3.1.1 The Second ES Addendum has been split into changes from Chapters 1 to 7 of the Original ES and the First Change ES Addendum which are discussed in this Section of the NTS. Changes to the remaining technical chapters (Chapters 8- 23) of the Original ES are discussed in Chapter 4 of the Second Change ES Addendum.

3.2 Changes to Chapters 1-7 and Chapter 22 of the Original ES (as modified in the First ES Addendum)

Chapter 1 – Introduction

3.2.1 The following table summarises the changes made as a result of the changes to the Original ES and First Change ES Addendum.

Table 3-1 : Summary of the Extent of Changes to Chapter 1- 7 and Chapter 22 of the Original ES

Chapter Number and title	Extent of Change
1 – Introduction	The proposed changes to the areas of the work numbers and associated changes to the Order Limits do not change the text of the Original ES or the First ES Addendum.
2 – Methodology	The proposed changes to the areas of the work numbers and associated changes to the Order Limits do not change the text of the Original ES or the First ES Addendum
3 – Description of the Existing Environment	The Proposed Development Changes have resulted in a reduction in the stated area of the Order Limits from 462 ha to 267 ha. While the overall description of the Proposed Development site set out in Chapter 3: Site Description of the Existing Environment [APP-085] remains unchanged, there are either no increases or slight reductions in the distances measured between the Order Limits and receptors as a result of the Proposed Development Changes.

Chapter Number and title	Extent of Change
4 – Proposed Development	<p>The description of the CO₂ Gathering Network has been updated to reflect the Proposed Development Change 14 (which relates to Work No. 6).</p> <p>The description of the Electrical Connection (Work No. 3) has been updated to reflect the changes proposed, paragraph 4.3.67 of the Original ES has been updated to reflect Change 15 (Work No. 3A).</p>
5 – Construction Programme and Management	<p>The description of the CO₂ Gathering Network presented in the First Change ES Addendum has been updated as a result of Change 15 (Work No. 3A) and paragraph 5.3.67 has been updated to reflect Change 14 (Work No. 6 and 9B) Table 5-8 has been updated (Special Crossings on the CO₂ Gathering Network) to reflect Change 14 (Works No. 6 and 9B).</p>
6 – Alternatives and Design Evolution	<p>The ES Addendum included additional entries to Table 6-2: Proposed Development Changes between DCO Submission and the Change Notification to describe the changes made and the associated effects.</p>
7 - Legislation and Policy	<p>There have been no changes to Chapter 7.</p>

3.3 Environmental Assessment of Proposed Development Changes

- 3.3.1 The Second ES Addendum identifies where the Proposed Development Changes have the potential to modify the assessment of impacts and effects reported in the technical chapters of the original ES or the appendices of the First ES Addendum.
- 3.3.2 The Second ES Addendum presents a preliminary environmental assessment (screening) of whether the proposed changes would change the baseline or alter the outcomes of previous assessments presented in the Original ES or the First ES Addendum.

The screening assessment has identified that the Proposed Changes will not affect the significance of effects predicted for Air Quality, Surface Water, Flood Risk and Water Resources, Geology and Contaminated Land, Noise and Vibration, Terrestrial Ecology, Ornithology, Aquatic Ecology, Marine Ecology, Traffic, Landscape and Visual Amenity, Marine Heritage, Socio-Economic, Climate Change, Major Accidents and Natural Disasters, Public Health,



Cumulative and Combined Effects and the Summary of Significant Effects chapters. No topics are therefore screened in for further consideration.