

VPI B Updated Cumulative Assessment

Non-Material Change

11 October 2022

Quality information

Prepared by	Checked by	Verified by	Approved by
Helen North Principal Consultant	Kirsty Cobb Technical Director	Richard Lowe Director	Richard Lowe Director

Revision History

Revision	Revision date	Details	Authorized	Name	Position

Distribution List

# Hard Copies	PDF Required	Association / Company Name

Prepared for:

VPI Immingham

Prepared by:

AECOM Limited

5th Floor, 2 City Walk

Leeds LS11 9AR

United Kingdom

© 2022 AECOM Limited. All Rights Reserved.

This document has been prepared by AECOM Limited (“AECOM”) for sole use of our client (the “Client”) in accordance with generally accepted consultancy principles, the budget for fees and the terms of reference agreed between AECOM and the Client. Any information provided by third parties and referred to herein has not been checked or verified by AECOM, unless otherwise expressly stated in the document. No third party may rely upon this document without the prior and express written agreement of AECOM.

Table of Contents

1.	Methodology	5
2.	Cumulative Effects Assessment (Stages 1-3).....	5
	Review of New Long List of Developments	10
3.	Short List 2022	10
	Able Marine Energy Park	10
	North Killingholme Power Station DCO.....	11
4.	Combination Effects	11
5.	Summary and Conclusion	11

Figures

No table of figures entries found.

Tables

Table 1.	Potential Zones of Influence (Zol) of each environmental effect	5
Table 2	Previous Short List, updated in 2022	7
Table 3	Updated Long List October 2022	9

1. Methodology

- 1.1 A cumulative impact assessment was undertaken in the submitted ES and submitted to the Planning Inspectorate on the 6th February 2020 and VPI B OCGT was granted DCO consent on 7th August 2020. All assessment topics concluded that there were no significant cumulative effects to arise from the construction or operation phases of the Proposed Development when considered alongside other developments proposed within the vicinity of the Site
- 1.2 This application for a Non-Material Change (NMC) is not expected to change the level of any effects identified within the original ES. However for completeness the 2019 cumulative impact assessment has been reviewed and an update is provided below.
- 1.3 The Non-Material change request relates to the proposed inclusion of a Synchronous Condenser within an already consented building, and this does not make any change to any significant effects previously identified in the original ES.
- 1.4 It is important to note that any project undertaking a pre planning submission environmental assessment from 2020 onwards will have had to include the VPI B OCGT consented project within their cumulative assessment.

2. Cumulative Effects Assessment (Stages 1-3)

- 2.1 The Applicant has completed an update of the Long List of identified other developments on 7th October 2022.
- 2.2 The Applicant has considered potentially cumulative schemes up to 15 km from the Site. However, based on the effects identified in the original ES assessments for the Proposed Development (in particular Landscape and Visual and Air Quality effects) only schemes up to 5 km from the Site have the potential to introduce cumulative effects with the Proposed Development.
- 2.3 Potential Zones of Influence (Zol) of each environmental effect are identified in Table 1 below:

Table 1. Potential Zones of Influence (Zol) of each environmental effect

Environmental Topic	Zone of Influence
Air Quality	<p>Construction: 350m ZOI for emissions and construction dust (and 500m along roads from the site entrance, for dust trackout).</p> <p>Operation: Considers 15km ZOI for international statutory designated ecology sites but effects are negligible beyond 5km from the Site</p> <p>2km for non-statutory designations</p> <p>Refer to Chapter 6: Air Quality for more information.</p>
Noise and Vibration	<p>Construction and Operation: 1km ZOI</p> <p>Refer to Chapter 8: Noise and Vibration for more information.</p>
Ecology and Nature Conservation	<p>Construction and Operation: A maximum ZOI of 15km has been applied:</p> <p>15km for air quality impacts to international statutory designated sites but effects are negligible beyond 5km from the Site;</p> <p>2km ZOI for national and locally designated sites; and 500m for ponds.</p> <p>Refer to Chapter 9: Ecology for more information.</p>

Environmental Topic	Zone of Influence
Landscape and Visual Amenity	Construction and Operation: 2km (landscape) and 5km (visual amenity) Refer to Chapter 9: Landscape and Visual Amenity for more information.
Cultural Heritage	Construction: On site. Operation: 2km Refer to Chapter 11: Cultural Heritage for more information
Ground Conditions and Hydrogeology	Construction and Operation: 2km ZOI Refer to Chapter 12: Ground Conditions and Hydrogeology for more information.
Water Resources, Flood risk and Drainage	Construction and Operation: 2km ZOI Refer to Chapter 13 Surface Water, Flood Risk and Drainage for more information

2.4 The following search areas have been considered for the cumulative schemes (we have scaled the search radius according to the scale of development as has been done in other cumulative effects chapters).

- 5km – Nationally Significant Infrastructure Projects (NSIP) and EIA Developments;
- 3.5km – EIA developments
- 1.65km – non EIA Major developments

2.5 It is noted that there are a number of major decarbonization and infrastructure projects currently progressing through early pre application consultation, including Humber Zero, V Net Zero, Zero Carbon Humber pipeline and Immingham Eastern Ro-Ro Terminal; these schemes have not yet been submitted for determination and therefore published design information on them is limited. They have therefore not been considered further within this updated cumulative assessment. The environmental assessments for these schemes will each need to include this Proposed Development in their respective cumulative assessments.

2.6 The Applicants have also reviewed the previously identified Short List of developments that was used for the original ES to confirm whether any have changed status since the original assessment was completed. Decisions made and relevant planning applications submitted since the original assessment was prepared in February 2020 are summarised in Table 2.

Table 2 Previous Short List, updated in 2022

Ref number	Scheme	Distance from Site	2019 Status	Description	Any change since Proposed Development consented 2020
1	VPI Energy Park 'A'	Adjacent	Consented	Gas-fired power station of up to 49.9MW	Non-material Amendment granted under PA/2021/1039 Pre construction works under way
2	Able Marine Energy Park DCO	Adjacent	Under construction	Port development	Material change granted in 2021, not yet under construction,
3	Marsh Lane Car Storage	Adjacent	Pending decision	Car storage facility	Decided and constructed
4	Killingholme Power Station PA/2016/1240	1.5km	Consented	14 gas reciprocating engine generators and ancillary equipment	Operational
5	North Killingholme Power Project DCO	2km	Consented	470MW power station	NMC accepted and consent extended
6	Able Logistics Park	2.5km	Consented	Site for warehousing, external storage	Operational
7	AMP Generator	5km	Consented	Standing reserve power plant	-
8	North Beck Energy Centre	5km	Consented	Energy recovery facility	Not built
9	CPL Pilot Charcoal Plant	2.5 km	Consented	Erection of a pilot charcoal manufacturing plant	-
10	Stallingborough Interchange	5 km	Consented	Development of 62ha Business Park at Stallingborough.	Under construction
11	South Humber Bank Energy Centre	7 km	Pending consideration	Energy from waste facility	Consented 2021
12	Brocklesby Estate (N.E)	3.4 km	Pending consideration	Proposed residential development	-
13	Engie NEL Energy Park	4.5 km	Pending consideration	Energy Park including 32ha solar farm (18mw) and batter storage (24mw)	Consented 2020
14	20MW Flexible Gas Generation Plant	5 km	Pending consideration	10 x 2 MW flexible gas generation plant (total of 20MW) at disused Immingham Rail freight Terminal	Consented
15	KBC Logistics Ltd	2.5km	Pending decision	Workshop, offices and lorry park.	-
16	Hornsea Offshore Wind Farm Project One Lagoons PA/2018/155	1.6km	Consented	9 lagoons for storage of water for the Hornsea Project One Offshore Windfarm.	Not believed to be under construction
17	Hornsea Offshore Wind Farm (Zone 4) Project One DCO	Adjacent	Consented	Three offshore wind generating stations with a total capacity of up to 1,200 MW.	Operational

Ref number	Scheme	Distance from Site	2019 Status	Description	Any change since Proposed Development consented 2020
18	Kiln Lane Tyre Recycling Facility	5 km	Consented	Waste tyre to energy pyrolysis plant at disused Immingham Rail freight Terminal.	-
19	South Killingholme Car Storage and Distribution Facility	370m	Pending decision	Car storage and distribution facility.	Not yet determined
20	Stallingborough CHP	5 km	Consented	Installation of 4 CHP boilers and erection of associate flues at Selvic Shipping Warehouse in Stallingborough.	Operational

2.7 The updated and refined cumulative Long List as of October 2022 is presented in Table 3.

Table 3 Updated Long List October 2022

ID	Scheme	Distance from Site (KM)	Status	Description	Carried to short list?
1	Immingham Eastern Ro-Ro Terminal DCO	3.5	Not yet submitted	A new roll-on/roll-off facility comprising a new jetty with up to four berths, improved hardstanding, Terminal buildings and an internal side bridge to cross over existing port infrastructure.	No – limited information in public domain
2	VPI Energy Park 'A'	Adjacent site	Approved 07/09/2018	Planning permission to construct a new gas-fired power station with a gross electrical output of up to 49.9 megawatts	Yes – due to proximity and nature of development
3	Able Marine Energy Park	Adjacent	Approved 18/12/2013	Construction of a new quay together with facilities for the manufacture, assembly and storage of marine energy components, primarily offshore wind turbines.	Yes – due to proximity and nature of development
	PINS ref. TR030001		Amendment order made 13/05/2021		
	Able Marine Energy Park Material Change 1 PINS ref. TR030005	Adjacent	Not yet submitted	The application seeks a material change to the 2014 Order consented by ID3. It relates to an amendment to article 33 of the DCO to extend the time limit for the exercise of authority to acquire land compulsorily over parcel number 03023 in the book of reference for the DCO.	No, has been assessed within baseline, so delayed construction makes no significant change
4	Immingham Green Energy Terminal DCO	3.6	Not yet submitted	The project comprises a new liquid bulk import terminal and associated processing facility, a purpose of which is to deliver a green hydrogen production facility.	No due to distance and industrial nature of existing intervening landscape.
	PINS ref. TR030008				
5	Land adjacent Westgate Entrance, Port of Immingham, Immingham. DN40 3DX (North Lincolnshire application ref. PA/2022/1223)	2km	Pending	Hybrid application comprising full planning permission for the construction of a hardstanding area for external level storage with landscaping, drainage, access and associated works, and outline planning permission to erect 26,096m ² floor space for industrial/storage and distribution, (Use Class B2/Use Class B8) including ancillary offices (Use Class E) with appearance, landscaping, layout and scale reserved for subsequent consideration	No due to distance and industrial nature of existing intervening landscape
6	VPI Power Station, Rosper Road, South Killingholme, DN40 3DZ (North Lincolnshire application ref. PA/2022/1548)	Same site	Pending	Planning permission to construct and operate a temporary pilot post-combustion carbon capture plant and associated infrastructure	No – development is expected to be commissioned in October 2022 with a life span of 6 – 12 months, meaning plant will not exist when this project becomes operational.
7	Land at Able Marine Energy Park, south of Station Road, South Humber Bank, South Killingholme (North Lincolnshire application ref. PA/2021/1525)	0.86km	Approved 08/07/2022	Planning permission to erect a monopole manufacturing facility	No due to distance and industrial nature of intervening existing landscape

Review of New Long List of Developments

- 2.8 There are an additional 4 NSIP and EIA Developments within 5 km of the Proposed Development Site, 1 EIA development within 3.5 km and 1 non EIA Major developments within 1.65 km that have been identified since the original assessment.

3. Short List 2022

- 3.1 There are no new developments in addition to those in the 2019 Short List. The only changes are;
- material change granted to Able Marine Energy Park DCO;
 - Non-Material Change granted to VPI Energy Park A planning permission;
 - An extension of the lifetime of the consent to North Killingholme Power Station DCO.
- 3.2 These have been taken forward into the updated cumulative assessment presented below.

Able Marine Energy Park

- 3.3 The granted Non Material Change (NMC) to the Able Marine Energy Park amends the consented scheme to include construction of a new quay together with facilities for the manufacture, assembly and storage of marine energy components, primarily offshore wind turbines. The amendment also addresses changes to the 2014 Order to allow alternative dredging and sediment disposal patterns arising from the new quay alignment, and the option of a more efficient construction methodology, identified during the design process. In addition, the route of the footpath diversion on the southern bank of the Humber would be amended to avoid it crossing the tracks of the Killingholme branch railway.¹ The key areas for potential environmental effect in combination with this Proposed Development are for landscape and visual impact and effects to air quality and traffic. As with the original DCO application, the Applicant still intends to minimise the potential cumulative effects during the construction period of both schemes through construction scheduling; conservatively the overlap of construction phases was assessed in the original ES and that worst case assumption remains valid.
- 3.4 The cumulative assessment within the ES stated that even if construction overlaps the roads within the vicinity of the Site would still be operating below the TA79/99 capacity limits, even at peak times. Given that the committed developments are now consented, the forecast baseline flows with committed developments have been accepted by the highway authorities. The resulting percentage traffic impacts from the Proposed Development construction traffic are therefore further reduced after adding these committed developments, becoming less than 2% on all links which remains negligible. Therefore no significant cumulative effects are predicted for traffic.
- 3.5 Operationally neither project contributes to any environmental effects that could result in an increased cumulative impact.

VPI Energy Park 'A'

- 3.6 VPI Energy Park A is an adjacent consented scheme to construct a new gas-fired power station with a gross electrical output of up to 49.9 megawatts, its non-material amendment refers to planning conditions applied, to allow for the works relating to the gas and grid connections to take place prior to the discharge of the planning conditions. This is a non-material amendment and does not affect any environmental receptors and therefore change any significant or cumulative impacts identified in the TCPA assessment and assessed as part of the cumulative assessment presented in the original ES.

¹ <https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/TR030006/TR030006-000530-TR030006%20-%20Secretary%20of%20State%20Decision%20Letter.pdf>

North Killingholme Power Station DCO

- 3.7 The granted NMC extends the time limit for commencing the Authorised Development, which currently expires on 1 October 2021, by five years to 1 October 2026. The construction period is not anticipated to overlap with the Proposed Development and therefore potential cumulative construction effects are unlikely, however it was previously assessed assuming potential overlap as a worst case scenario. Both schemes were expected to be operational at the same time and no cumulative effects were identified. The NMC does not change the significance of any environmental effect and does not alter the cumulative assessment presented in the original ES.

4. Combination Effects

- 4.1 As there is no change to our original ES as a result of the NMC, there are no changes to combination effects.

5. Summary and Conclusion

- 5.1 The above identified developments have been reviewed and assessed with regards to the Planning Inspectorate Advice Note 17 'Cumulative effects assessment relevant to nationally significant infrastructure projects'.
- 5.2 The updated assessment of cumulative impacts has considered a number of other developments within the vicinity of the Site and the potential for cumulative impacts to arise from one or several of the other developments together with the Proposed Development.
- 5.3 Given that the NMC has been assessed as making no material difference to the potential effects of the Proposed Development itself and is therefore within the assessment envelope previously assessed and consented and given the minor changes in other identified developments as outlined above, there are no identified changes to the cumulative assessment or significance of effects presented in the original ES.

