

Technical Appendix 2.7: Definition of Intra- and Inter-Project Cumulative Effects

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1.1 Intra-Project Cumulative Effects

- 1.1.1 Ramboll has developed an approach which uses the defined residual effects of the proposed development to determine the potential for effect interactions and so the potential for intra effects of individual effects.
- 1.1.2 Intra-project cumulative effects from the proposed development itself on existing off-site and future on-site sensitive receptors during the demolition and construction stage and also once the proposed development is completed, have been considered. It is possible however, that depending on the predicted individual 'completed developments' effects, only the construction stage effects would actually be considered as often they generate the greatest likelihood of interactions occurring and hence significant effects. Indeed, construction stage effects are usually more adverse (albeit on a temporary basis) than effects as a result of a completed development.
- 1.1.3 Dependent on the relevant sensitive receptors, the assessment focusses either on key individual receptors or on groups considered to be most sensitive to potential interacting effects. The criteria for identifying those receptors which are considered to be potentially sensitive include existing land/water uses, proximity to the demolition and construction stage works and the site, and likely duration of exposure to impacts.
- 1.1.4 It should be noted that only residual effects that are minor, moderate or major in scale have been considered within this assessment, as negligible effects are, by definition, imperceptible in their nature. Due to the 'cross-boundary' and 'overlapping' nature of these effects across various environmental topics, and the assessment approach adopted, the results of intra-project cumulative effects are holistically presented within a discrete assessment chapter (ES Chapter 20: Cumulative Effects) and not within each of the technical assessment chapters. This avoids unnecessary duplication and repetition and presents a proportionate approach.
- 1.1.5 With regard to the potential for cumulative effects to occur, it is anticipated that standard mitigation measures as detailed in Chapter 5: Demolition and Construction can be applied to prevent temporary significant effects from the interaction of effects occurring on-site. It is also anticipated that a site-specific Construction Environmental Management Plan (CEMP) would be secured by CC and/or the MMO by means of an appropriately worded planning and/or licence condition.

1.2 Inter-Project Cumulative Effects

- 1.2.1 Both sets of EIA Regulations applicable the proposed development require an assessment of potentially significant cumulative effects of a proposed development along with other 'existing and/or approved projects': 'inter-project effects'. There are no legislative or policy requirements which set out how an inter-project cumulative impact assessment should be undertaken.
- 1.2.2 Spatial considerations and scale of development criteria have been developed based on professional judgement to determine whether other development schemes have the potential for cumulative effects when combined with the proposed development's effects. The criteria applied to identify cumulative schemes are those which:
- Development proposals for which planning permission or a marine licence has been granted (e.g. resolution to grant issued, signed legal agreement or reasonably foreseeable); and
 - Located within the zone of influence of the site or likely to have cumulative effects within the water environment; and
 - 10,000 m² Gross External Area (GEA) in floor area or would give rise to >150 residential units or relevant large-scale infrastructure projects.
- 1.2.3 The zone of influence is defined as being:
- located within 1 km of the redline boundary/site; or

- spatially linked to the site by means of the local road network; or
- visible in protected/important views to and from the site.

- 1.2.4 No relevant cumulative schemes have been identified for consideration in this EIA (refer to Technical Appendix 2.8 for details).