

# A46 Newark Bypass

# Scheme Number: TR010065

7.11 Applicant's Response to Environment Agency Relevant Representations

Rule 8(1)(c)(i)

Planning Act 2008 Infrastructure Planning (Examination Procedure) Regulations 2010

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#### Infrastructure Planning (Examination Procedure) Regulations 2010

### The A46 Newark Bypass Development Consent Order 202[#]

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Regulation Number:	Rule 8(1)(c)(i)
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#### 1. Introduction

1.1. The Development Consent Order (DCO) application for the A46 Newark Bypass (the "Scheme") was submitted by National Highways (the "Applicant") to the Secretary of State for Transport via the Planning Inspectorate on 26 April 2024 and accepted for Examination on 23 May 2024.

The section of the A46 that would be upgraded is approximately 6.5 kilometres (approximately 4 miles) in length. The Scheme comprises on-line widening for the majority of its length between Farndon Roundabout and the A1. A new section of off-line dual carriageway would be provided between the western and eastern sides of the A1 before the new dual carriageway ties into the existing A46 to the west of Winthorpe Roundabout. The widening works include earthwork widening along the existing embankments, and new structures where the route crosses the Nottingham to Lincoln and ECML railway lines, River Trent, Brownhills link and the A1. A detailed description of the Scheme can be found in Chapter 2, The Scheme of the Environmental Statement [APP-046]

#### 2. Purpose of this Document

2.1. The purpose of this document is to set out the Applicant's response to the Relevant Representations (RR) from the Environment Agency. Responses were received during the RR period and published on 23 July 2024 on the Planning Inspectorate's website.



#### 1 Environment Agency Relevant Representations

#### 2 Applicant's Response to the Environment Agency Relevant Representations

Environment	t Agency position	Applicant response
Flood risk		•
EAFR-001: F	lood risk exception test (part 2) – fluvial flood risk	
Document reference Issue Impact	APP-177 – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024) The submitted flood risk assessment (FRA) fails to satisfy the second part of the flood risk exception test, insofar as it relates to fluvial flood risk. As submitted, the FRA shows the Scheme would increase flood risk elsewhere over the lifetime of the development. Despite acknowledging the increases in flood risk, the FRA does not consider any additional mitigation measures to offset these increases	The Applicant confirms section 4.3 and section 10 of Appendix 13.2 Appendices [APP-177], discusses the Sequential and Exception test For the Exception Test to be passed, it must be demonstrated that: 1) the Scheme provides wider sustainability benefits to the co 2) the Scheme would be safe for its lifetime taking account of elsewhere, and where possible, would reduce flood risk ow
Solution	The FRA also fails to consider any opportunities presented by the Scheme for reducing fluvial flood risk overall. The Applicant needs to ensure the Scheme does not result in an increase in flood risk elsewhere, regardless of how minor this increase may be. Where an increase in flood risk is unavoidable then additional flood risk mitigation needs to be considered for offsetting this increase, with the affected landowners being consulted. The Applicant should also demonstrate that opportunities to reduce flood risk overall have been considered and incorporated where achievable.	The Applicant maintains that both parts of the Exception Test have The first part of the Exception Test is met, as stated in paragraph 4 Assessment) of the Environmental Statement Appendices [APP-17 network, the need for upgrading of which is set out in the Case for t infrastructure that has to cross the area(s) at flood risk.
Additional comments	<ul> <li>The Scheme lies within Flood Zone 3a, on the Flood Map for Planning (rivers and sea), which is land defined by the planning practice guidance (PPG) for flood risk and coastal change as having a high probability of flooding. In accordance with table 2 of the PPG, development classified as 'essential infrastructure' under <u>Annex 3</u> of the National Planning Policy Framework (NPPF) is only appropriate in these areas if the exception test is passed alongside the sequential test.</li> <li><u>Paragraph 171</u> of the NPPF makes clear that both elements of the exception test must be passed for development to be permitted. Part 2 of the test requires the Applicant to demonstrate, via a site-specific flood risk assessment (FRA), that the development will be safe, without increasing flood risk elsewhere and, where possible, the development should reduce flood risk voerall. This is further supported by paragraphs 5.107 and 5.108 of the <u>2024 NNPS</u>, which was designated on 24 May 2024.</li> <li>Paragraphs 5.108 of the 2015 NNNPS and 5.128 of the 2024 NNNPS state that "For the Exception Test to be passed:         <ul> <li>it must be demonstrated that the project provides wider sustainability benefits to the community that outweigh flood risk; and</li> <li>an FRA must demonstrate that the project will be safe for its lifetime, without increasing flood risk elsewhere and, where possible, will reduce flood risk overall."</li> </ul> </li> </ul>	The second part of the exception test is also met. As described in p of the Environmental Statement Appendices [APP-177], the Schen areas to mitigate the potential for increased flood risk elsewhere, do 39% climate change) event, when compared to the baseline. Section 8.2 of Appendix 13.2 (Flood Risk Assessment) of the Enviro where minor localised changes in flood depth, both increases and o 39% climate change event. Vulnerable receptors that are impacted increases compared to the baseline are discussed a Hydraulic Mod format to the Interested Party for comment, and will be submitted to further considered that there are decreased flood depths in other ar change event. It is not realistic or possible for the Scheme to reduce flood risk ove flood hazard in the floodplain for the 1%AEP plus 39% climate char Risk Assessment) of the Environmental Statement Appendices [AF some localised reduction of flood risk as shown in Figure 8-1 of App Statement Appendices [APP-177]. However, it is considered that the change flood risk for the 1%AEP plus 39% climate change event, w As discussed in Section 4.7 of Appendix 13.2 (Flood Risk Assessm 177], the Environment Agency has been consulted throughout the freview of the hydraulic model. The Applicant is continuing to work with the Interested Party to add supporting technical note documents that will be provided to the Ex- common Ground with the Environment Agency, which will be subm Examination.
EAFR-002: Ir	ncrease in fluvial flood risk elsewhere	
Document reference	<ul> <li><u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)</li> </ul>	As discussed in the response to EAFR-001, it is maintained that the Scheme does not change flood risk overall for the 1%AEP plus 39%
Issue	<ul> <li>The FRA indicates that fluvial flood risk will be increased elsewhere as result of the development over its lifetime.</li> </ul>	

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2 (Flood Risk Assessment) of the Environmental Statement sts.

ommunity that outweigh the flood risk; and the vulnerability of its users, without increasing flood risk verall.

been satisfied.

4.3.3-5 and section 10.3 in Appendix 13.2 (Flood Risk 77], due to the Scheme being part of the strategic road the Scheme [APP-190]). The Scheme is essential transport

baragraph 11.1.6 of Appendix 13.2 (Flood Risk Assessment) ne, which includes three Flood Compensatory Storage oes not change fluvial flood risk for the design (1%AEP plus

conmental Statement Appendices [APP-177] itemises areas decreases, were observed in modelling of the 1%AEP plus I in the localised areas where flood depths show slight delling Technical Note which has been submitted in draft to the Examining Authority by Deadline 3, if not sooner. It is reas of the floodplain in the 1%AEP plus 39% climate

erall within the wider catchment, given the extensive baseline nge event, as shown in Figure 8-2 of Appendix 13.2 (Flood PP-177]. It should be noted that the Scheme does provide pendix 13.2 (Flood Risk Assessment) of the Environmental he Scheme during operation does not cause an overall when compared to the baseline.

nent) of the Environmental Statement Appendices [APPhydraulic modelling process, and has provided feedback and

Iress this comment through technical meetings and camination. This will be documented in the Statement of nitted to the Examining Authority during the course of the

e second part of the Exception Test is met, and that the % climate change event, when compared to the baseline.

Environmen	t Agency position	Applicant response
Impact	<ul> <li>Section 8 of the FRA sets out various instances where an increase in flood risk is expected as a result of the operational phase of the Scheme.</li> <li>Furthermore, Figure 10.1 of the FRA shows a minor increase in flood risk to Tolney Lane during the construction phase; we are particularly concerned by any increase in flood risk to this specific area. These increases are considered within the FRA to be 'minor' or 'negligible', but do still result in failure to pass part 2 of the flood risk exception test.</li> </ul>	Section 8 of Appendix 13.2 (Flood Risk Assessment) of the Environ instances where localised <b>changes</b> (both increases and decreases plus 39% climate change event. Vulnerable receptors that are impa- increases compared to the baseline are discussed in the Hydraulic are decreased flood depths in other areas of the floodplain in the 1 Modelling Technical Note further shows that for 1%AEP plus 39% receptors with decreases in flood depth (i.e which benefit from the Vulnerable" receptors which show negligible (<10mm) increases in
Solution	<ul> <li>Reconsider the compensatory flood storage proposals to ensure flood risk is not increased elsewhere. If this is not achievable, it must be demonstrated in the FRA that the Applicant has considered all options to address this issue.</li> </ul>	The Applicant assumes that the Interested Party refers to Figure 9 Assessment) of the Environmental Statement Appendices [APP-1 the Scheme plus temporary works, compared to baseline condition change or a slight decrease (not an increase) in flood depth in the the baseline. The Applicant however welcomes the opportunity to e matter.
EAFR-003: 0	Overall reduction in fluvial flood risk	
Document references Issue	<ul> <li><u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)</li> <li>The FRA fails to demonstrate that opportunities to reduce flood risk overall have been considered.</li> </ul>	As discussed in Appendix 13.2 (Flood Risk Assessment) of the En- to EAFR-001 above, it is not realistic or possible for the Scheme to the extensive baseline flood hazard in the floodplain for the 1%AEF Appendix 13.2 (Flood Risk Assessment) of the Environmental State
Impact	<ul> <li>There is a missed opportunity for the Scheme to provide wider flood risk benefits at the same time as ensuring flood risk is not increased as result of the development. The FRA therefore fails to adequately address the second part of the exception test.</li> </ul>	reduction is a desirable component in the Exception Test, it is not a that both parts of the Exception Test have been satisfied, as discus
Solution	The FRA should consider opportunities for the Scheme to reduce flood risk overall. For example, paragraph 11.1.5 of the FRA acknowledges the existing flood risk to Brownhills Roundabout and the Central Market Junction; although the risk is existing, it is unclear if opportunities to reduce the flood risk to these areas been considered. Given their link to the proposed scheme, it would be sensible to explore opportunities to increase their resilience to fluvial flood risk in line with the proposed scheme.	Three Flood Compensation Areas (FCAs) are provided within the S footprint from the widened A46. These are located at Kelham and A 3.3.7 to 3.3.15 of Appendix 13.2 (Flood Risk Assessment) of the Eu 29 potential FCAs considered for the Scheme, and a RAG screenin the Flood Risk Assessment [APP-177]. As discussed in Section 4.7 of Appendix 13.2 (Flood Risk Assessment 177], discussion and agreement of approaches and methodologies Authorities including the Environment Agency, through A46 Flood a assessment of flood risk is appropriate for the nature and scale of t mitigation to provide wider catchment benefits is disproportionate to
EAFR-004: 0	Compensatory flood storage	
Document references Issue	<u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024) The FRA fails to provide details on the amount and location of the flood storage being displaced, compared to the amount and location of flood storage being provided, demonstrating that any flood storage provided will become effective at the same point in a flood event as the lost storage would have done	Details of the exact volumes of floodplain lost due to the developm Technical Note, which has been submitted in draft format to the Int Examining Authority by Deadline 3, if not sooner. Additional storag to reduce flood risk to the local area. This additional compensation compensate for all elevations of volume lost on a level-for-level bas
Impact	This information is important because if the compensation volumes are provided at the wrong elevation, then flood waters can still be displaced even though the overall volume provided may be the same as what was there before. The provision of this information is essential in being able to justify the floodplain compensation strategy proposed and determine whether opportunities for reducing flood risk overall have been maximised. In the absence of this detail, we are unable to validate the impacts of the Scheme and its proposed flood risk mitigation. As such, there remains a risk.	further in the Floodplain Compensation Area Technical Note sectio
Solution	Provide details in the FRA of where exact volumes of flood storage are being lost at each level, and subsequently compensated for, to demonstrate the proposed compensatory flood storage is sufficient, and where possible can provide additional storage to reduce flood risk to the local area and Scheme overall.	
Additional comments	<ul> <li>The best way to compensate for flood storage loss is to recreate an area of floodplain that mimics the area, shape and volume of the section of floodplain that has been lost by the development.</li> <li>If it is not possible to provide level-for-level and volume-for-volume compensation then the FRA should demonstrate that this option has been considered and explain why it has not been possible, whilst</li> </ul>	

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nmental Statement Appendices [APP-177] sets out ) in flood depth, were observed in modelling of the 1%AEP acted in the localised areas where flood depths show slight Modelling Technical Note. It is further considered that there %AEP plus 39% climate change event. The Hydraulic climate change event, the number of "More Vulnerable" Scheme) is 940, which outnumber the 691 "More flood depth.

0-1 (not Figure 10-1) of Appendix 13.2 (Flood Risk 77], which shows construction phase depth differences for as for the 3.33%AEP event. Figure 9-1 shows either no vicinity of Tolney Lane in the 3.33%AEP event, compared to engage further with the Environment Agency to clarify this

vironmental Statement Appendices [APP-177] the response reduce flood risk overall within the wider catchment, given P plus 39% climate change event, as shown in Figure 8-2 of ement Appendices [APP-177]. While overall flood risk a mandatory requirement. The Applicant therefore maintains ssed in the response to EAFR-001.

Scheme to compensate for the decrease in floodplain Averham, Farndon East and Farndon West. Paragraphs nvironmental Statement Appendices [APP-177] discuss the ng table for FCA site selection is provided in Appendix G of

hent) of the Environmental Statement Appendices [APPb has been undertaken with the Flood Risk Management and Drainage Steering Group Meetings, to ensure that the scheme. The Applicant considers that any further to the scale of the Scheme.

ent are included in the Floodplain Compensation Area erested Party for comment, and will be submitted to the e is provided at each of the floodplain compensation areas is used in part to mitigate the Scheme's inability to sis. The use of the additional compensation is discussed in 2.2, paragraphs 2.2.3 and 2.2.14.

Environmen	at Agency position	Applicant response
	detailing how any associated risks from the chosen form of mitigation can be minimised. For example, the current proposal does not provide level-for-level floodplain compensation at the lower flood heights of 8.6metres above Ordnance Datum (mAOD) to 9.06mAOD, so it is important to have a thorough understanding of the impact of this. Therefore, it may be appropriate for the Applicant to consider simulating the 1-year flood event to address the impacts on third parties of not providing this lower-level floodplain compensation.	
EAFR-005: 0	Compensatory flood storage – phasing of works	
Document references Issue Impact	<ul> <li><u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)</li> <li>No consideration is given within the FRA to the phasing of works and when certain areas of floodplain compensation will become available to ensure that there is no loss in flood storage capacity at any point during the construction of the Scheme.</li> <li>Without a commitment to precise timings, there is a risk that development could take place in areas defined as being at risk of flooding from fluvial sources, which could displace floodwaters and impact third parties if compensatory flood storage is not operational at the time of flooding.</li> </ul>	The Applicant intends to update Requirement 14 of the draft Develor climate change percentage. In Section 2.6 of Chapter 2 (The Scher construction methodology of the Scheme is described. In this const compensation area (Kelham and Averham FCA) is to be constructed constructed in parallel with the main works, ensuring the volume but excavated from the FCA sites on a level for level basis.
Solution	The FRA should provide further detail on timing/phasing arrangements for the floodplain compensation scheme in relation to the wider Scheme to ensure there is no increase in flood risk at any point during construction. Requirement 14 should also be revised to specify that the implementation of the compensatory flood storage must be in accordance with the Scheme's agreed timing/phasing arrangements.	Pre-commencement works are to take place prior to the main consti of the Kelham and Averham FCA, as described in the Pre-Commen Development Consent Order) [APP-021] sets out how the detailed p commencement of works. The detailed plans shall include phasing a be addressed in the Second Iteration Environmental Management F Management Plan and associated detailed management plans is se Order [APP-021], on which the Environment Agency will be a consu the wording of Requirement 14 of the draft Development Consent O
EAFR-006: 0	Compensatory flood storage – maintenance	
Document references Issue Impact Solution	<ul> <li><u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)</li> <li>The maintenance of proposed flood compensation has not been considered. Further justification and reassurance are required before we can be satisfied with the appropriateness of the proposals.</li> <li>Paragraph 3.3.17 of the FRA refers to a series of culverts beneath the A617 to enable flood water conveyance to the floodplain compensation area. Reliance on culverts for floodplain conveyance is not usually recommended as they can become blocked or infilled, which would restrict flood flows reaching the compensation area, resulting in an increase in flood risk elsewhere.</li> <li>Additionally, paragraph 8.2.5 of the FRA refers to the widening of the carriageway resulting in additional piers 'causing a restriction to water flowing from west to east on the right bank of the River Trent', which has resulted in local flood levels increasing by up to 26mm. Debris can build-up and cause blockages around the piers, which would reduce the flood storage potential of the land and also increase the risk of flooding elsewhere.</li> <li>The FRA should consider the impact on flood risk should the culverts beneath the A617 become blocked and flood water be unable to reach the floodplain compensation area. We would expect the assessment to be informed by blockage modelling, a rationale for the culvert sizes chosen, and how the risk of culvert failure or blockage can be mitigated. The latter should be addressed through a maintenance plan, outlining who would be responsible for culvert maintenance and how frequently it will be undertaken. The maintenance plan should be maintained in perpetuity.</li> <li>Similarly, the FRA should consider the maintenance strategy for the carriageway piers proposed within the floodplain in order to demonstrate that there will not be any debris build up between the piers that could</li> </ul>	Appendix 13.2 (Flood Risk Assessment) of the Environmental State risk should the A617 culverts become blocked in Appendix B of the A of Appendix 13.2 (Flood Risk Assessment) of the Environmental modelling of the culverts and the impacts said blockage would have largest that can reasonably fit beneath the A617 based upon the ca draining the Kelham & Averham FCA back into the River Trent follo Development Consent Order [APP-021] sets out how the detailed p commencement of works. A maintenance plan for the culverts and Requirement 14 of the draft Development Consent Order [APP-021 Appendix 13.2 (Flood Risk Assessment) of the Environmental State flood risk should the blockage occur at bridge piers, in Appendix B Appendix A of the Appendix 13.2 (Flood Risk Assessment) of the E looks at blockage modelling of carriageway piers. Requirement 14 how the detailed plans for FCAs are to be approved prior to the cor plan for the piers shall be included in the Third Iteration Environment Environmental Management Plan and associated detailed manage Development Consent Order [APP-021].
FAFR-007. 9	result in a blockage risk and the subsequent in loss of flood storage capacity.	
EAFK-007: 3		
Document references	<ul> <li><u>APP-177</u> – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)</li> <li>6.3 Environmental Statement - Appendix 13.2 Flood Risk</li> <li>Assessment - Appendix A – Fluvial Hydraulic Modelling Report (ref. TR010065/APP/6.3, Revision 1, March 2024)</li> </ul>	and downstream sections of the watercourse, with invert and cover diversion consists of only a minor horizontal realignment. In light of Slough Dyke alignment in the Scheme model would provide no ben proposed realignment, and the cross section is shown in Engineerin



opment Consent Order [APP-021] to include the correct me) of the Environmental Statement [APP-046], the truction methodology, it is stated that the floodplain ed prior to the rest of the Scheme. The Farndon FCAs will be uilt into the floodplain is always less than the volume

truction of the Scheme in order to facilitate the construction neement Plan [APP-188]. Requirement 14 of the draft plans for FCAs are to be approved prior to the and timing of the actual construction works, which will also Plan. Adherence with the Second Iteration Environmental ecured by Requirement 3 of the draft Development Consent ultee. The Applicant does not consider it necessary to adjust Order [APP-021] beyond the amendment in relation to the uplicant to agree the works prior to commencement.

ement Appendices [APP-177] considers the impact on flood e Hydraulic Modelling Technical Report, (which is Appendix Statement Appendices [APP-177]). This looks at blockage e. The size of the five culverts (arranged in parallel) are the arriageway profile and the connecting ditch profile for owing a flood event. Requirement 14 of the draft blans for FCAs are to be approved prior to the all floodplain compensation areas is required by 1], which secures the maintenance.

ement Appendices [APP-177] also considers the impact on of the Hydraulic Modelling Technical Report, (which is Environmental Statement Appendices [APP-177]). This of the draft Development Consent Order [APP-021] sets out mmencement of works. It is proposed that a maintenance ntal Management Plan. Adherence with the Third Iteration ment plans is secured by Requirement 3 of the draft

will have the same/equivalent cross section as the upstream r levels that match the existing watercourse. Therefore, the this, the Applicant believes that including an updated hefit. The General Arrangement Plans [AS-007] show the ng Plans and Sections Part 6 sheet 12 [APP-14]. As

Environmer	nt Agency position	Applicant response
Issue	No detailed drawings for the Slough Dyke realignment have been provided and the realignment has also not	discussed with the Environment Agency in a meeting on the 05/09/
	been represented within the hydraulic modelling undertaken.	including the change to the Slough Dyke. The results from this are
Impact	The realignment of the Slough Dyke (as mentioned in paragraph 3.3.28 and shown in Figure 3-2 of the FRA) is necessary to facilitate the proposed scheme's layout. However, no detailed plans for the realignment have been provided to enable a more thorough assessment of the flood risk implications of the realignment. Although FRA paragraph 3.3.29 states the realignment is 'not predicted to alter the current hydraulics, and therefore flooding regime of this watercourse in the local area', further evidence is required to support this. Currently paragraph 6.1.5 of the 'A46 Newark Trent 2023 Fluvial Hydraulic Modelling Report' (FRA Appendix A) states "the Slough Dyke watercourse alignment was retained from its original hydraulic model", but we would expect the updated hydraulic modelling to account for this realigned channel to give a more accurate representation of the proposed scheme and to better understand the flood implications. Without this information we cannot be confident in our assessment of the flood risks, both to the development and to third parties, resulting from the realignment, and what could be done to mitigate any potential flood risks.	Note.
Solution	understand the flood risk impacts.	
EAFR-008: I	nteraction with Environment Agency flood defences	
Document	APP-177 – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3,	The Applicant confirms the Scheme interacts with two Environment
references	Revision 1, April 2024)	was discussed with the Environment Agency on 5 September 2024
Issue	There is limited information available on the Scheme's interaction with the existing Environment Agency flood defences. The FRA mentions that the Scheme will 'tie-in' with existing Environment Agency flood defences (see paragraphs 3.4.2 and 7.7.2), but there is no explanation for how this will occur, or how it will be ensured that there will be no detriment to the defences.	The Crees Lane Embankment is a 239 metre long flood defence er Trent between the A46 and Cress Lane. The embankment is const ground level. An access track, including bridleway 2, is located on the
Impact	<ul> <li>FRA paragraph 7.7.2 states that the "scheme design directly interfaces with these flood defences and suitable measures have been put in place in order that the existing defences are not structurally compromised or altered in terms of crest height". However, without further details of how this interface will be managed, we cannot confirm whether proposals are acceptable.</li> <li>There is no evidence to demonstrate that the proposal will not restrict essential maintenance and emergency access to the defences (the permanent retention of a continuous unobstructed area is an essential requirement for future maintenance and/or improvement works), or whether the proposed development is likely to adversely affect the construction and stability of the flood defences, which will compromise their function.</li> </ul>	The new Windmill viaduct (Works No 7) spans over the flood defen or structure. The temporary works area for the construction of the b to be laid to support the construction plant that will be required to con- stone platform would be laid against the existing flood structure and the new bridge structure the temporary works will be removed and and access track (Works No 6 as shown on the Works Plans [AS-0 the bridge and the reinstatement of Works No 127. Works No 6 pro- Embankment for inspection and maintenance works.
Solution	<ul> <li>Further information should be provided on the current Standard of Protection (SoP) of the existing defences, their composition, current condition, and inspection regime.</li> <li>Detailed plans for areas around the defences, showing tie-in with the Scheme, should be provided. The lifetime of the defences should ideally be commensurate with the lifetime of the Scheme, so if this is not the case then the Applicant should consider opportunities to ensure they are brought up to the Scheme's lifetime.</li> </ul>	The Newark Roundabout Embankment is a 325 metre long emban Road and the southeast quadrant of the Cattle Market Roundabout key that protrudes 1 metre into the ground under the center of the b bund.
Additional comments	<ul> <li>Although the detailed construction approach to works in/around the Environment Agency defences would be addressed under a flood risk activity permit, we still expect the DCO submission to be supported by the outline construction principles for how it will be ensured that the flood defences are not negatively impacted by the proposed scheme works.</li> <li>The Environment Agency would be keen to engage in further discussions on flood defences as soon as information is available.</li> </ul>	interfaces with the eastern end of the flood defence. The southeast meters of the eastern end of the flood embankment within the earth benched into the existing embankment to form a solid, homogeneo the construction works, and the EA's existing access will be mainta In relation to Crees Lane floodbank the Standard of Protection (SO change in the Scheme hydraulic model, however other routes resul In relation to Newark Roundabout Embankment similarly, the Stand + 39% climate change in the Scheme hydraulic model, however oth frequent SOPs.
EAFR-009: 0	Climate change allowances sensitivity test – interaction with Environment Agency flood defences	The Applicant equal data data the second blacks of the second state of the second stat
Document references	APP-1// – 6.3 Environmental Statement - Appendix 13.2 Flood Risk Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)	the Environmental Statement Appendices [APP-177]. The event as



2024, it was agreed to perform a simplified model run included in section 4 of the Hydraulic Modelling Technical

t Agency flood defences. Information on the flood defences I in a meeting.

mbankment which is located on the south bank of the River ructed from clay with a clay key penetrating 1 metre below top of the embankment.

the land reinstated to previous use. The bridleway (BW2) 005] are re-opened following completion of construction of ovides vehicle and foot access to the Crees Lane

kment located to the southeast of the A46 between Kelham t. The embankment is constructed from Marl with a shear bund. There are also two grout curtain walls through the

or the widening for the new Cattle Market junction and t corner of the new roundabout will incorporate the last 10 hworks for the new roundabout. The new earthworks will be ous structure. The flood bund will not be compromised during ained.

P) is demonstrated to be 1 in 100 year + 39% climate It in flooding behind the defence in more frequent SOPs.

dard of Protection (SOP) is demonstrated to be 1 in 100 year her routes result in flooding behind the defence in more

cenario (H++) in Appendix 13.2 (Flood Risk Assessment) of sessed was the 0.5% AEP plus the upper end climate

Environmer	nt Agency position	Applicant response
Issue	The FRA has not assessed a credible maximum peak river flow climate change scenario, in line with GOV.UK guidance on climate change allowances for flood risk assessments. This is expected given the Scheme's status as a Nationally Significant Infrastructure Project (NSIP) and its proposed 120-year lifespan.	change allowance of 62%. As discussed in Section 7.2 of the Flood the 'check event' required for assessment in Design Manual for Ros was used as a proxy event for the 0.5% plus 62% climate change u
Impact	Without assessing a credible maximum scenario, it is unclear how sensitive the Scheme is to changes in the climate for different future scenarios, so consideration for how the Scheme can be adapted to large-scale climate change over its lifetime has not been considered.	The suitability of this approach is outlined further in section 5 of the submitted in draft format to the Interested Party for comment, and v
Solution	The FRA should include a sensitivity assessment of the Upper End (62%) climate change allowance for peak river flow.	not sooner.
Additional comments	For information, please refer to: <u>https://www.gov.uk/guidance/flood-risk-assessments-</u> <u>climate-change-allowances</u> Paragraph 4.10 of the 2024 NNNPS states that the "applicant should also be able to demonstrate how proposals can be adapted over their predicted lifetimes to remain resilient to a credible maximum climate change scenario."	
FAFRG-001	- Use of borrow pits for fry refuge	
Document references	APP-046 – 6.1 Environmental Statement - Chapter 2 The Scheme (ref. TR010065/APP/6.1, Revision 1, April 2024) APP-052 – 6.1 Environmental Statement - Chapter 8 Biodiversity (ref. TR010065/APP/6.1, Revision 1, April 2024)	As detailed in Chapter 2 (The Scheme) of the Environmental Stater material, the excavations at Brownhills borrow pit would be backfille Existing constraints at the Brownhills borrow pit prevent the Schem
Issue	The use of borrow pits for fisheries benefits by converting them into permanent fry refuge areas after use in construction. In particular, the Brownhills borrow pit.	borrow pit has limited hydrological connectivity to the River Trent. T (ECML) railway lines create a barrier to the west, the A46 carriage
Impact	Although the Brownhills borrow pit is no longer required as a floodplain compensation area, there is a missed opportunity to provide fisheries improvements as part of the Scheme.	(crossing the Nottingham to Lincoln railway to the north). The Brow water, into existing highways drains which are culverted through the
Solution	Consideration should be given to converting suitable borrow pits into fry refuges as part of the Scheme's ecological enhancements.	Trent. These pathways are not viable for fish from the River Trent to permanent fry refuge at Brownhills.
Additional comment	<ul> <li>Converting borrow pits into fry refuge after construction use would benefit fisheries. This would go towards Environmental Targets Regulations 2022 by reducing the risk of species extinction through increasing refuge sites for juvenile fish, giving refuge from floods to migratory fish such as Eels and lamprey and increasing wildlife rich habitats.</li> <li>The fry refuges can also go towards improving Water Framework Directive (WFD) status by helping improve status with a designed wetland. This can also help mitigate road run off impacts by utilising the surrounding reedbeds and other flora as buffers to main rivers, to deal with any adverse influence from the proposed A46 works that could negatively affect water quality parameters.</li> <li>Benefits could also be delivered in relation to The Eels Regulations 2009, to halt and reverse the decline of in eel stocks by providing safe refuge and feeding grounds for the European Eel during its migration. It is recorded that this site is part of the migratory route (desk study data) and the provision of a refuge could be a valued conservation measure. We note there is a provision of mitigation in compliance with the Eels Regulations (detailed in section 8.10 of the Environmental Statement - Chapter 8 Biodiversity).</li> </ul>	Furthermore, archaeological investigations identified an extensive, archaeological remains in the Brownhills area, which resulted in a r preservation of these archaeological remains in situ. Throughout the evolution of the design, opportunities to enhance bi shown in Figure 2.3 (Environmental Masterplan) of the Environment ponds and associated reedbeds within attenuation areas, the sowir addition of log and brash piles around ponds, to act as refugia / hib Farndon East and West FCAs to control the storage and discharge to wildlife. This includes the retention of sufficient water levels to contemperatures to reduce the risk of killing entrapped lamprey and ear The Scheme design provides a diverse assemblage of riparian plar for wildlife (including fish) and contribute to the reduction of evapotr. The size, depth and riparian planting of the Farndon FCAs have be species, from various predatory piscivorous birds and mammals. The Scheme and attement Appendices [APP-179] also details methods and mater and the Environmental Statement Appendices [APP-179] also details methods.
EAFBG-002	- Water Framework Directive (WFD) – water body mitigation	
Document references	<u>APP-176</u> – 6.3 Environmental Statement - Appendix 13.1 Water Framework Directive Compliance Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)	Appendix 13.1 (Water Framework Directive (WFD) Compliance Ass [APP-176] was discussed with the Environment Agency during its o
Issue Impact	Not all works impacting water bodies will be mitigated. Whilst a WFD deterioration from this Scheme is unlikely, given the WFD assessment results, if the relatively	agree on the appropriate methodology and assessment outcomes,
	minor impacts that the Scheme is introducing are not mitigated, then there is a risk of there being a cumulative	



d Risk Assessment [APP-177], this event was selected as ads and Bridges document CD356. The 0.1% AEP event uplift.

Hydraulic Modelling Technical Note, which has been will be submitted to the Examining Authority by Deadline 3, if

ment [APP-046], after completion of the extraction of the ed and re-soiled.

he from converting this site into fry refuge areas. Brownhills The Nottingham to Lincoln and East Coast Main Line way to the south, Brownhills link and the A1 to the east whills borrow pit area currently drains overland as surface e aforementioned barriers and discharge into the River to navigate upstream to the Environment Agency's proposed

complex settlement of Romano British and Anglo-Saxon reduced area that could be used as a borrow pit to ensure

iodiversity have been included in the Scheme. Proposals intal Statement Figures [AS-026] include permanently wet ing of species rich grassland adjacent to ponds and the ernacula. In addition to the function of waterbodies in the of flood water, they have been designed to have a benefit onserve wildlife in periods of drought to maintain stable els (and other fish species), as far is reasonably practicable. Int species that will create shelter and foraging opportunities ranspiration (a design consideration for climate resilience). een designed to also reduce mortality of entrapped fish he indicative locations of these measures are presented in ment Figures [AS-026]. Appendix 13.4 (Drainage Strategy) of neasures to mitigate potential adverse impacts of the n surrounding watercourses.

sessment) of the Environmental Statement Appendices development (13th March 2023 and 20th June 2023) to including suitable mitigation measures.

Environmer	nt Agency position	Applicant response
	impact on the water body when combined with other schemes. Therefore, it would stand to benefit the water body to mitigate all impacts.	Under the WFD Regulations, it is not a requirement for a Scheme to does not cause a deterioration in waterbody status, and/or does not
Solution	We suggest that all works impacting WFD Water Bodies should be mitigated to avoid cumulative impacts. Opportunities for further mitigation should be incorporated into the Scheme, such as looking to naturalise areas of artificial banks, so that the Scheme does not add to any cumulative pressure on the water body. This could be combined with considerations about BNG concerning the water bodies.	<ul> <li>the future. In relation to the two points made:</li> <li>Works along the River Trent (Trent from the Soar to the Bee where reasonably feasible. However, as part of the Scheme flood protection measures (in the form of riprap/scour protection bank profile surrounding the piers. This will not result in a do objectives of the waterbody from being met in the future.</li> <li>The culvert extension at Old Trent Dyke will be designed to earthworks required. The additional potential impact to the wextension, however this will be localised and minimal as the elsewhere along its length. This will not result in a deterioration objectives of the waterbody from being met in the future.</li> </ul>
Additional comment	In particular, the scheme intends to mitigate impacts to the bank of the River Trent (Trent from the Soar to the Beck - Water Body ID: <u>GB104028053110</u> ) through restoring the natural banks impacted by the works where possible. However, it is not clear if this includes the sheet piling and supporting riprap installed in the construction of the Scheme. If not, there may be a risk of cumulative impact that ideally would be best to mitigate. There is also no mitigation proposed for the 10-metre culvert extension on Old Trent Dyke (ordinary watercourse).	
		The Scheme will provide benefits to the river environment through t within the River Trent floodplain. In particular at Farndon where an a will be created in conjunction with the Farndon West FCA. This will habitats and species rich grassland. Also, within the Farndon East F approximately 10ha, surrounded by species rich grassland and tree enhancement of The Fleet upstream of Winthorpe. Additionally, the network of swales, ponds, reedbeds and wet grassland areas.
		As outlined within the Register of Environmental Actions and Comm Management Plan [APP-184], a number of measures have been ide waters and groundwater (commitments RDWE1 to RDWE16). Thes management plans as well as to undertake surface water monitorin
		The cumulative impacts section is included within Chapter 5 of App Assessment) of the Environmental Statement Appendices [APP-17] the in-combination effects on individual watercourses, and appropri construction, it was determined the in-combination impacts would b assessment in Chapter 15 (Assessment of Combined and Cumulati seven developments were identified, however no cumulative effects cumulative impacts are expected. The Applicant has undertaken a since those identified in the assessment submitted as part of the ap well as identifying any changes to the developments already include 2024. This is to ensure that the cumulative effects assessment for t cumulative effects associated with the Scheme and other developm effects on WFD waterbodies and will document the findings of the u that will be submitted at Deadline 2.
EAFBG-003	- Biodiversity net gain – missed opportunity for watercourse improvements	
Document references	APP-159 – 6.3 Environmental Statement - Appendix 8.14 Biodiversity Net Gain Technical Report (ref. TR010065/APP/6.3, Revision 1, April 2024)	within the River Trent floodplain. In particular at Farndon where an a
Issue Impact	There is a missed opportunity to provide some improvements to river habitats and geomorphology as a part of the Scheme	habitats and species rich grassland. Also, within the Farndon East I approximately 10ha, surrounded by species rich grassland and tree
Solution	Further consideration should be given to opportunities to enhance the natural processes and habitats of local waterbodies, this could include reconnecting the waterway with the floodplain, removing artificial structures and barriers, introduce woody material into rivers, and so on.	enhancement of The Fleet upstream of Winthorpe. Additionally, the network of swales, ponds, reedbeds and wet grassland areas. The Masterplan) of the Environmental Statement Figures [AS-026] and Report) of the Environmental Statement Appendices [APP-159].
comments	this could look to be addressed with more natural geometries, flow deflectors and catchment-based silt management, for example.	Design iterations have in the first instance avoided and then minimi River Trent to avoid adverse impacts resulting from the Scheme. The



o mitigate for all potential impacts providing the Scheme of prevent the objectives of the waterbody from being met in

eck - Water Body ID: GB104028053110) have been limited the bridge structures will require supporting piers and ection) along the toe of the piers. This will be limited to the deterioration in waterbody status and does not prevent the

o mimic existing geometry of the river bank, to minimise the watercourse will be the shading caused by the culvert e ordinary watercourse is already heavily culverted ation in waterbody status and does not prevent the

the creation of large areas of aquatic and wetland habitat area of approximately 20ha of high-quality wetland habitat include reedbed, ponds, grazing marshes, new ditch FCA the proposed borrow pit would be retained as a lake of e planting. The scheme proposals include watercourse e proposed highway drainage includes creating an extensive

nitments within the First Iteration Environmental lentified to mitigate potential adverse effects upon surface se include the commitment to produce a number of detailed ng.

bendix 13.1 (Water Framework Directive (WFD) Compliance '6]. As construction activities would be phased to minimise iate mitigation measures will be implemented during be localised and temporary. During the cumulative effects tive Effects) of the Environmental Statement [APP-059], s on WFD waterbodies were identified. As a result, no more recent review of any new or approved developments oplication. This review has identified new developments, as led in the list for cumulative assessment, up to 1 October the Scheme is up to date and reflective of the anticipated nents. The Applicant is currently reviewing the cumulative updated assessment in a Cumulative Effects Technical Note

the creation of large areas of aquatic and wetland habitat area of approximately 20ha of high-quality wetland habitat include reedbeds, ponds, grazing marshes, new ditch FCA, the proposed borrow pit would be retained as a lake of e planting. The Scheme proposals include watercourse e proposed highway drainage includes creating an extensive se features are shown in in Figure 2.3 (Environmental described in Appendix 8.14 (Biodiversity Net Gain Technical

ised in-channel works and works within and adjacent to the he River Trent is located outside of the Order Limits, except

Environment Agency position	Applicant response
Environment Agency position           Other issues potentially that could be addressed to deliver a net gain include, non-native invasive plant species (NNIPS) cover, reinforcement and artificial features on banks, bed and margin, and groundcover management.	Applicant response where the Scheme passes over the Main River (e.g. bailey bridge di proposed in-channel works along the River Trent are not within the s (Flood Risk Assessment) of the Environmental Statement Appendiced Trent Dyke to discharge flows in excess of 200mm into the Farndon the River Trent and the Farndon FCAs is limited, as creating an ope defence redundant due to uncontrolled influx and discharge of flood present due to the lower elevation of the channel opening, compared allow receding flood water to discharge into the River Trent sooner t construction baseline (currently discharges downstream of Nether Li- response to the Natural England's relevant representation (RR-044) assessed. This Technical Note has been shared in draft format to Na- Technical Note will be appended to the updated Habitat Regulations Examining Authority at deadline 3, unless an earlier deadline is poss The River Trent is highly developed (e.g. flood bund, sheet piled/car structures and barriers currently providing function as flood protection events downstream, loss of important fish spawning habitat downstr Further opportunities to enhance waterways for biodiversity, such as biodiversity, were explored in internal multidisciplinary meetings. This hotspot for build-up of flood debris and could cause localised impact naturally deposited. The Environment Agency was in agreement with main river will be too fast flowing for these floating ecosystems, whic moving watercourses; further details are contained in the Statement Environment agency (TR010065/EXAM/7.21). The addition of featur woody material and floating islands, have potential to cause blockag paramount to the slow discharge of flood water as the river levels re increased monitoring and maintenance efforts which was deemed di
	Second Iteration Environmental Management Plan, to be implement Second Iteration Environmental Management Plan is secured by Re [APP-021]. Every flood event will potentially add to the existing seed bank within Measures to manage and prevent the spread of Invasive Non-Native summarised in the First Iteration Environmental Management Plan [ Environmental Management Plan to be implemented during constru- Environmental Management Plan is secured by Requirement 3 of th in the Register of Environmental Actions and Commitments of the Fi an INNS Management Plan and Biosecurity Risk Assessment will be during the Scheme design development has informed the environmental Mana provided in the First Iteration Environmental Management Plan [APF further detailed in the INNS Management Plan and Biosecurity Risk The First Iteration Environmental Management Plan [APF further detailed in the INNS Management Plan and Biosecurity Risk BNG will be delivered including the Landscape and Ecology Manage management required to ensure the Scheme landscape planting est out in Chapter 8 (Biodiversity) of the Environmental Statement [APP [APP-184] also requires the production of a BNG Habitat Management specific habitat types and condition required for BNG will be provide



uring construction and the viaducts) and therefore scope of the Scheme. As described in Appendix 13.2 es [APP-177], swales from the FCA would facilitate Old East and Farndon West FCAs. Direct connectivity between ening in the flood bund would render its function for flood water. Flood water would flow into the FCA sooner than at d to the height of the existing flood bund. This would also than it does at present and further upstream than the preock Weir). A Technical Note has been produced in ), which details the fish escape passage design options latural England and the Environment Agency. This s Assessment [APP-185] and will be issued to the sible.

nalised, locks, weirs, riprap) and the removal of artificial on would potentially result in erosion of river banks, flood ream of Nether Lock weir and loss of a navigable waterway.

s floating islands within the Farndon FCAs to benefit is was scoped out of the design as it was considered a t of flooding, blockage or damage when the debris is h this decision adding that it is likely that the River Trent ch are generally only effective along canals and slowt of Common Ground between the Applicant and the res that could be dislodged during a flooding event, such as ges of valve structures along Old Trent Dyke which are eccede. Adding additional woody material would require isproportionate to benefits it could temporally provide.

e the trapping of sediments. An Erosion and Sediment mental Management Plan [APP-184] is developed into a ted during construction of the Scheme. Adherence with the equirement 3 of the draft Development Consent Order

n the Farndon FCAs and therefore along Old Trent Dyke. e Species (INNS) from and within the working areas are [APP-184], which will be developed into a Second Iteration iction of the Scheme. Adherence with the Second Iteration he draft Development Consent Order [APP-021]. As detailed irst Iteration Environmental Management Plan [APP-184], e produced pre-construction. All survey data collected ental commitments within the Record of Environmental agement Plan [APP-184]. A complete list of INNS is not P-184]. However, species specific control measures will be Assessment.

es provision for several further documents that detail how ement Plan (LEMP). The LEMP will set out the tablishes, matures and fulfils its intended functions as set P-052]. The First Iteration Environmental Management Plan ent and Monitoring Plan (HMMP) to describe how the table. These documents will include INNS management where

Environmen	t Agency position	Applicant response
EAFBG-004	- Biodiversity net gain – improvements to river units	In summary the Applicant has worked to maximise biodiversity imp environmental stakeholders. This has included consideration to ret more natural form, where this does not conflict with other priorities enhancements would be provided at The Fleet upstream of Wintho would be managed through construction and in habitats created by
Document	APP-159 – 6.3 Environmental Statement - Appendix 8.14 Biodiversity Net Gain Technical Report (ref.	Whilst no mandatory requirement for BNG applies for Nationally Si
references Issue	TR010065/APP/6.3, Revision 1, April 2024) The BNG strategy does not appear to incorporate improvements to river units. The BNG Technical Report lists river units in the pre-development baseline, but not in post- development improvements.	Scheme, increases in biodiversity units including river units have b possible. Appendix 8.14 (Biodiversity Net Gain Technical Report) of states there will be a 36.93% net gain in river units (see paragraph)
Impact	As submitted, the proposals result in a lost opportunity to affect river habitat and geomorphology improvements to achieve net gains for biodiversity. Improvements to the geomorphology of rivers is positively connected with water quality improvements and resilience to water quality impacts, which could be achieved through this development.	Report [APP-159]). This results from the creation of new sections of as part of wetland creation and proposed enhancement of The Fle creation of a range of wetland habitats including approximately 20 West FCA which will enhance the river corridor in this area. These
Solution	The Applicant should reconsider increased BNG in relation to river units and reconnecting rivers to their floodplains within the environmental management and BNG plans, particularly in relation to Slough Dyke.	to some of the indicators used in the River Condition Assessment Habitat Technical Report) of the Environmental Statement Append B-3 bank top water related features and B-5 bank top managed gro
comments	<ul> <li>We would also welcome the consideration of removing on-site barners to upstream istrinigration at the following location:         <ul> <li>Pingley / Car Dyke, Staythorpe Road Bridge (British National Grid reference: SK7599454140) – WFD Waterbody: Pingley/Rundell Dyke Catch Upper (trib of Trent) (Water Body ID: <u>GB104028053420)</u>.</li> </ul> </li> <li>As Car Dyke is openly connected to the River Trent at Averham, this is the first obstruction that fish migrating further upstream are likely to encounter. This would complement the ambition to improve fish passage on the River Trent. The Applicant should be aware that there may be for funding options (community fund program) or in-kind support with access or temporary works locations for access to the waterbody.</li> </ul>	<ul> <li>B-3 bank top water related features and B-5 bank top managed g the limitations on in-channel elements it will not represent a large</li> <li>The suggestions in the relevant representation, which include rectifish migration, are not considered feasible.</li> <li>The portion of the Slough Dyke within the Order Limits is directly a proposed highway in close proximity on the opposite bank. This w connectivity at this location. Scope for enhancements to the Sloug the Internal Drainage Board.</li> <li>The request that the Scheme removes barriers to fish migration a As there is no mandatory requirement for BNG, the Applicant can the subject of the section.</li> </ul>
		Car Dyke, Staythorpe Road Bridge is not a location where any wor no opportunity to provide improved fish passage here. It is outside extending the limits to include this location.
EAFBG-005	- Invasive species – Himalayan Balsam	
Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024) <u>APP-158</u> – 6.3 Environmental Statement - Appendix 8.13 River Physical Habitat Technical Report (ref. TR010065/APP/6.3, Revision 1, April 2024) <u>APP-153</u> – 6.3 Environmental Statement - Appendix 8.8 Aquatic Ecology Technical Report (ref. TR010065/APP/6.3, Revision 1, April 2024)	Measures to manage and prevent the spread of INNS, including H summarised in the First Iteration Environmental Management Plan EMP to be implemented during construction of the Scheme. Adher Plan is secured by Requirement 3 of the draft Development Conse Environmental Action and Commitments in the First Iteration Envir Native Species (INNS) Management Plan and Biosecurity Risk Ass
Issue	There is insufficient commitment to addressing spread of the non-native species, Himalayan Balsam, which is identified as impacting the development site (documented in the River Physical Habitat Technical Report).	include control measures for Himalayan balsam as well as other IN informed the environmental commitments in the First Iteration Environ
Impact Solution	<ul> <li>Insufficiently dealing with the presence of Himalayan Balsam can severely impact on habitat availability, biodiversity and loss for water-dependent species, increases erosion, and increases the ability to contain and stop its spread further up and down the catchments within the vicinity of the project area.</li> <li>The First Iteration Environmental Management Plan (EMP) should be updated to ensure commitment to</li> </ul>	reported in Appendix 8.13 (River Physical Habitat Technical Repor complete list of INNS is not provided in the First Iteration Environm specific control measures will be further detailed in the INNS Mana include the information within the River Physical Habitat Technical
	<ul> <li>adequately addressing the spread of Himalayan Balsam.</li> <li>We recommend that an Invasive Non-native Species (INNS) Management Plan for Himalayan Balsam is prepared. This should include the eradication of existing upstream and downstream sections of waterbodies outside the DCO limits where possible*. This is important, otherwise Himalayan Balsam upstream and downstream will continue to greatly impact waterbodies within the project area.</li> </ul>	Catchment-wide management would be required for the control of Scheme as it is only required to mitigate its impacts resulting from Order only allows the Applicant to acquire land required to constru- eradication of existing Himalayan balsam upstream and downstread

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provements across the Scheme in collaboration with urning waterways and banks within the Order Limits to a such as flood protection measures. Watercourse prope and floodplain wetlands created at Farndon. INNS of the Scheme.

gnificant Infrastructure Projects (NSIPs) such as this een sought within the parameters of the Scheme wherever of the Environmental Statement Appendices [APP-159] 5.1.8 on page 36 of the Biodiversity Net Gain Technical of river channel, new ditches along the highway network and et upstream of Winthorpe. The Scheme also involves the hectares of wetland adjacent to the River Trent at Farndon positive changes in land use will result in an improved rating methodology as reported in Appendix 8.13 (River Physical ices [APP-158]. Indicators that will be improved will include ound cover on the River Trent at Farndon. However, given enough change to alter the Condition Class.

nnecting rivers to their floodplain and removing barriers to

djacent to the existing A1 carriageway with sections of buld be a significant constraint to increasing floodplain in Dyke are also limited by the maintenance requirements of

Pingley / Car Dyke, Staythorpe Road Bridge is not possible. not compulsory acquire land to provide habitat enhancements of other works that are required by the Scheme. Pingley / rks are required to deliver the Scheme and therefore there is of the Order Limits and there would not be a justification for

imalayan balsam, from and within the working areas are [APP-184], which will be developed into a Second Iteration ence with the Second Iteration Environmental Management nt Order [APP-021]. As detailed in the Register of ronmental Management Plan [APP-184], an Invasive Nonsessment will be produced pre-construction, which will INS. All survey data collected from all disciplines have ronmental Management Plan [APP-184], not just that t) of the Environmental Statement Appendices [APP-158]. A lental Management Plan [APP-184], however, species logement Plan and Biosecurity Risk Assessment, which will Report as well as from other discipline reports.

Himalayan balsam. This is not within the scope of the the Scheme and as any consented Development Consent ict, operate and maintain the Scheme, therefore the im along sections of waterbodies outside the Order Limits is

Environmer	nt Agency position	Applicant response
	• To ensure we are consulted on the INNS Management Plan in relation to the discharge of Requirement 3 (Second Iteration EMP), we should be named as consultee on the Requirement in the DCO. In the absence of our involvement in developing the documents which form part of the Second Iteration EMP, there is a risk that the spread of invasive species, such as Himalayan Balsam, is not adequately addressed.	not possible. Design iterations have in the first instance avoided an Trent to avoid adverse impacts resulting from the Scheme as far as through the plans described above. A BNG HMMP will also be pro- of 30 years post-construction. This will detail measures required fo 8.14 (Biodiversity Net Gain Technical Report) of the Environmental
Additional comments	<ul> <li>*A similar proactive approach was adopted for the Cocker Beck prior to construction on the new reservoir at Lowdham.</li> <li>We recommend the information within the River Physical Habitat Technical Report is incorporated within the INNS Management Plan.</li> <li>A list of all non-native species identified by their surveys has been included in the Aquatic Ecology Technical Report (Table 4-2). This list incorporates all INNS in a single list with no consideration to the different risks posed by each species. If INNS management is proposed, the Applicant may wish to provide a method for prioritising different species.</li> </ul>	<ul> <li>management of these habitats for INNS.</li> <li>The Applicant can confirm that the Environment Agency will be add Management Plan (EMP), under Requirement 3, on matters related this change.</li> <li>Where the WFD-UKTAG listed INNS (2021) data was available, Ta Technical Report) of the Environmental Statement Appendices [AP according to their level of impact (in the '<i>Status</i>' column). This will i detailed in the INNS Management Plan and Biosecurity Risk Asses by Commitment B10 of the Register of Environmental Actions and Management Plan [APP-184]).</li> </ul>
EAWQ-001	- Water quality – surface water run-off	
Document references	<u>APP-057</u> – 6.1 Environmental Statement - Chapter 13 Road Drainage and Water Environment (ref. TR010065/APP/6.1, Revision 1, April 2024) <u>APP-176</u> – 6.3 Environmental Statement - Appendix 13.1 Water Framework Directive Compliance Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)	Improving the existing sources of diffuse pollution and/or improving (RNAGs) is not within the scope of the Scheme as it is only require Consent Order will only allow the Applicant to acquire land required is not possible for the Scheme to address issues outside the Order
Issue	<ul> <li>Surface water run-off associated with diffuse highways run-off, combined with other sources.</li> <li>There is a need to protect and improve water quality of WFD catchments where they have 'Moderate' to 'Poor' ecological WFD status. Reasons for Not Achieving Good (RNAGS) in relation to existing highways diffuse pollution appears to not be adequately addressed.</li> </ul>	As outlined within Appendix 13.3 (HEWRAT Assessment) of the Errincorporation of the mitigation measures within the drainage design the Environmental Statement Appendices [APP-179] are considered
Impact	<ul> <li>There are identified existing impacts from highways diffuse run-off, in accordance with WFD catchment data. Due to the proposed road widening and increased highways surfaces, diffuse run-off if likely to increase. This will likely have increased negative impacts on water quality. Additionally, where this is combined with other sources of pollution (e.g. urban surface water, sewerage) this is likely to have cumulative impacts on water quality and WFD status. These have not been addressed.</li> <li>It is not clear how water quality improvements to existing issues of diffuse pollution and any cumulative impacts from the proposed development (construction and operational phases) will be positively addressed.</li> </ul>	<ul> <li>compared to the existing system. Therefore, the Scheme would no diffuse pollution.</li> <li>Drainage and Flood Management Steering Group meetings have b outline design to ensure key stakeholders are consulted with and k measures proposed. The correspondence and key outcomes of the (Drainage Strategy Report) of the Environmental Statement Appendiction).</li> </ul>
Solution	<ul> <li>There is a need to further explore existing flow pathways and existing highways outfalls to better understand existing and cumulative water quality impacts from any increases in surface water runoff. Opportunities should be identified and incorporated to improve existing surface water diffuse highways pathways. This should be combined with the water quality monitoring scheme.</li> <li>Opportunities should also be explored to set back culverts and incorporate with Sustainable Drainage Systems (SuDS) and constructed wetlands. We note the one near Farndon roundabout, which is positive, but it only addresses the proposed construction and not existing and cumulative issues, which is a missed opportunity. Stepped improvements are required.</li> </ul>	As outlined within the Record of Environmental Actions and Comm Plan [APP-184], a number of measures have been identified to mit groundwater (commitments RDWE1 to RDWE16). These include the management plans as well as to undertake surface water monitorin The cumulative impacts section is included within Chapter 5 of App Assessment) of the Environmental Statement Appendices [APP-17 the in-combination effects on individual watercourses, and appropri- determined the in-combination impacts would be localised and term
comments	<ul> <li>Devon from Cotham to Trent Water Body (Water Body ID: GB104028052632)         <ul> <li>WFD status is overall Poor</li> </ul> </li> <li>Slough Dyke Catchment (trib of Trent) Water Body (Water Body ID: GB104028053111)         <ul> <li>Overall Moderate, but classed 'Bad' for Dissolved</li> <li>Oxygen (DO), 'Bad' for invertebrates, 'Poor' for Ammonia</li> <li>and 'Poor' for Phosphate.</li> <li>RNAGS relate to diffuse pollution from highways runoff</li> </ul> </li> <li>Trent Bifurcation Pingley Dyke to Winthorpe Water Body (Water Body (Water Body ID: GB104028053390)         <ul> <li>WFD status is overall 'Moderate'</li> </ul> </li> </ul>	Chapter 15 (Assessment of Combined and Cumulative Effects) of t developments were identified, however no cumulative effects on W impacts are expected. The Applicant has undertaken a more recen- identified in the assessment submitted as part of the application. The identifying any changes to the developments already included in the is to ensure that the cumulative effects assessment for the Scheme effects associated with the Scheme and other developments. The WFD waterbodies and will document the findings of the updated as be submitted at Deadline 2.

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Ind then minimised works within and adjacent to the River is possible. Impacts of the Scheme will then be mitigated duced prior to construction and implemented for a minimum in the target habitat type and condition set out in Appendix Statement Appendices [APP-159], including the required

ded as a consultee to the second iteration Environmental d to its functions. The draft DCO has been updated to reflect

able 4-2 within Appendix 8.8 (Invertebrate (Aquatic) P-153] details classification of aquatic alien species nform species specific control measures which will be ssment for all INNS to be impacted by the Scheme (secured Commitments within the First Iteration Environmental

the waterbody catchment Reasons for Not Achieving Good d to mitigate its direct impacts. Any consented Development d to construct, operate and maintain the Scheme, therefore it Limits.

nvironmental Statement Appendices [APP-178], the n, as detailed in Appendix 13.4 (Drainage Strategy Report) of ed to provide an improvement in pollution treatment, t contribute to the RNAGs in relation to existing highways

een held regularly during the development of the Scheme ept updated on the drainage design and the mitigation e meetings are recorded in Appendix A of Appendix 13.4 dices [APP-179].

itments of the First Iteration Environmental Management igate potential adverse effects upon surface waters and ne commitment to produce a number of detailed ng.

bendix 13.1 (Water Framework Directive (WFD) Compliance 76]. As construction activities would be phased to minimise iate mitigation measures will be implemented, it was aporary. During the cumulative effects assessment in the Environmental Statement [APP-059], seven /FD waterbodies were identified. As a result, no cumulative at review of any new or approved developments since those his review has identified new developments, as well as the list for cumulative assessment, up to 1 October 2024. This is up to date and reflective of the anticipated cumulative Applicant is currently reviewing the cumulative effects on assessment in a Cumulative Effects Technical Note that will

Environmen	at Agency position	Applicant response
	<ul> <li>RNAGS are associated with highways diffuse pollution,</li> <li>i.e. Phosphate (Poor), Macrophytes and Phytobenthos Combined (Moderate) and Invertebrates (Moderate)</li> <li>Trent from Soar to The Beck Water Body (Water Body ID: GB104028053110)         <ul> <li>WFD status is overall 'Moderate'</li> <li>RNAGS related to diffuse pollution from highways especially Phosphate (Poor) and Physical Modification.</li> </ul> </li> </ul>	
EAWQ-002 -	Water quality – surface water sensitivity	
Document references Issue	<u>APP-057</u> – 6.1 Environmental Statement - Chapter 13 Road Drainage and Water Environment (ref. TR010065/APP/6.1, Revision 1, April 2024) In the assessment of significance (section 13.5.8), the sensitivity of surface waters is derived from the importance of surface waters as detailed in Table 13-1. Importance has been assessed using WFD classification and the Q95 flow, with high importance equalling a higher Q95. The sensitivity of a watercourse to water quality impacts is the reverse, with less dilution meaning a watercourse is more sensitive.	Table 13-1 in Chapter 13 (Road Drainage and the Water Environme associated criteria for assigning importance to water receptors is as and Bridges LA113.Table 13-7 in Chapter 13 (Road Drainage and the Water Environme the importance assigned to water receptors. Within this table it iden
Solution	Professional judgment should also be exercised when determining the sensitivity of a watercourse to water quality impacts. If this has been done it is not currently clear within the description provided.	waters, including assumptions on the nature of the watercourse. Wi National Highways' Design Manual for Roads and Bridges LA113), watercourse for example a WFD watercourse has a higher important Where Q95 flow data was not readily available, a conservative assu The potential impact on water quality of the receiving watercourses 13.11 in Chapter 13 (Road Drainage and the Water Environment) of mitigation measures to prevent pollution of the watercourses are imp Section 13.10, the magnitude of impact on all the watercourses is 'N the importance of the receptor determines the significance of effect. 'adverse significance' in the significance matrix, this has been anno reasonable worse case basis
EAWQ-003	Water Framework Directive (WFD) – detailed assessment	
Document references	APP-176 – 6.3 Environmental Statement - Appendix 13.1 Water Framework Directive Compliance Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024)	Surface water runoff will discharge into the 'Trent from Soar to The Appendix 13.1 (Water Framework Directive Compliance Assessment
Issue	Table 5-1 states that upgrades to the existing drainage for the road would prevent contaminated runoff from entering the 'Trent from Soar to The Beck' (water body). The detailed assessment has deemed that WFD compliance is achieved in this catchment as a result.	However, pollution prevention measures within the drainage design of the Environmental Statement Appendices [APP-179] and within t the First Iteration Environmental Management Plan [APP-184] have
Impact	This is potentially misleading, as several outfalls are confirmed to discharge directly into this waterbody. This statement gives the impression that there will be no discharge of road runoff into this catchment. As a result, it is unclear whether the detailed assessment is accurate.	surface waters and groundwater from this runoff. These include cre wet grassland areas as part of the proposed highway drainage. Mai reduce the risk of blockages which could lead to overflow of the sys
Solution	This section should not state that contaminated runoff will be prevented.	As outlined within Appendix 13.3 (HEWRAT Assessment) of the En incorporation of the mitigation measures within the drainage design treatment. Therefore, it is not considered that the surface water run be contaminated.
EAWQ-004	Water Framework Directive (WFD) – detailed assessment	
Document references Issue	<u>APP-176</u> – 6.3 Environmental Statement - Appendix 13.1 Water Framework Directive Compliance Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024) The detailed assessment described in Tables 5-1 to 5-4 does not confirm whether a comparison of the proposed drainage impacts shows an improvement or deterioration	The drainage strategy for the Scheme, as detailed in Appendix 13.4 Statement Appendices [APP-179] is considered to provide an impro- system.
Impact	Without making this assessment clear, it cannot be deemed that the Scheme achieves compliance with WFD for Physico- Chemical, Specific Pollutant or Chemical elements.	Scheme, to assess the potential effects from sediment and soluble in the local watercourses. The results are detailed within Appendix
Solution	The detailed assessment should reference the Highways England Water Risk Assessment Tool (HEWRAT) assessment	Statement Appendices [APP-178].



## ent) of the Environmental Statement [APP-057] and the set out in National Highways' Design Manual for Roads

ent) of the Environmental Statement [APP-057] summarises ntifies the reasoning for assigning the importance to surface 'hilst the main criteria for this was the Q95 levels (in line with the importance also considers the nature of the nce than an ordinary watercourse.

Imption was made using professional judgement.

as a result of the Scheme have been discussed in Section of the Environmental Statement [APP-057]. Providing blemented during construction and operation as outlined in Negligible'. The combination of magnitude of impact, and . Where there is a choice of either 'neutral significance' or otated with a '\*' and a precautionary approach taken on a

Beck' waterbody as part of the Scheme, as outlined in nt) of the Environmental Statement Appendices [APP-176].

n, as detailed in Appendix 13.4 (Drainage Strategy Report) the Register of Environmental Actions and Commitments of e been identified to mitigate potential adverse effects upon eating an extensive network of swales, ponds, reedbeds and intenance of the drainage network will also be undertaken to stem and result in contaminated runoff.

vironmental Statement Appendices [APP-178], the are considered to provide an improvement in pollution off entering the 'Trent from Soar to The Beck' waterbody will

(Drainage Strategy Report) of the Environmental ovement in pollution treatment, compared to the existing

ent has been carried out for all outfalls proposed within the pollutants within the surface water run-off on water quality 13.3 (HEWRAT Assessment) of the Environmental

Environmen	t Agency position	Applicant response
	and confirm whether the proposed drainage strategy offers an improvement on the existing baseline. This is particularly pertinent, as transport drainage has been identified as a RNAG status for almost all of the assessed waterbodies. The mitigation must ensure that the proposed development does not increase the contribution from this RNAG.	The existing drainage mitigation measures in place for the existing majority of the existing highway. Site visits during the design developed working as designed. The proposed drainage strategy for the Scheidrainage. As a sensitivity check, five HEWRAT assessments were measures. All assessments showed that there were no differences have any treatment capacity and the existing mitigations are not we assumed that the baseline reflects a "no existing mitigation measur impact of pollution at the outfall without mitigation represent the 'Ba to in river impact with mitigation represents the proposed mitigation of pollection at the outfall without mitigation represent the 'Ba to in river impact with mitigation represents the proposed mitigation assessment concluded the Scheme would not lead to an exceedan and copper) or sediment accumulation, and the spillage assessment be sufficient to not cause a significant adverse effect on the receiving out for all outfalls proposed within the Scheme with the Metals Bio-a improvement from the existing baseline. The HEWRAT assessment 'passes' for all outfalls for the Scheme, water run-off sufficiently to not impact the wider water environment. assessments can be seen in Appendix 13.3 (HEWRAT Assessment
EAWQ-005 H	lighways England Water Risk Assessment Tool (HEWRAT) – baseline	The Scheme, therefore, will not result in a detenoration in WFD Phy
Document references Issue	APP-178 – 6.3 Environmental Statement - Appendix 13.3 HEWRAT Assessment (ref. TR010065/APP/6.3, Revision 1, April 2024) EAWQ-005	A Highways England Water Risk Assessment Tool (HEWRAT) assorted the Scheme, to assess the potential effects from sediment and solution quality in the local watercourses. The results are detailed within Appendix and the sediment and solution of the
Impact	The HEWRAT results do not offer the results from the existing baseline for comparison.	Statement Appendices [APP-178].
Solution	Without these results for comparison, it is unclear whether the Scheme offers an improvement or deterioration from the existing baseline.	The existing drainage mitigation measures in place for the existing majority of the existing highway. Site visits during the design develop working as designed. The proposed drainage strategy for the Scheidrainage. As a sensitivity check, five HEWRAT assessments were measures. All assessments showed that there were no differences have any treatment capacity and the existing mitigations are not we assumed that the baseline reflects a "no existing mitigation measurimpact of pollution at the outfall without mitigation represent the 'Ba to in river impact with mitigation represents the proposed mitigation 3.2 of Appendix 13.3 (HEWRAT Assessment) of the Environmental The HEWRAT assessment was carried out for all outfalls proposed BAT). This showed two outfalls 'Failing' the HEWRAT assessment '29 and 30 of Appendix 13.3 (HEWRAT Assessment) of the Environmental The HEWRAT assessment 'passes' for all outfalls for the Scheme, water run-off sufficiently to not impact the wider water environment. assessments can be seen in Appendix 13.3 (HEWRAT Assessment)
EAWQ-006:	Surface water quality monitoring – frequency	
Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024)	



A46 are kerbs, gullies, and concrete ditches alongside the opment show that the existing system does not appear to be me will retrofit or replace the majority of the existing run for the baseline, with and without the existing mitigation in the results since the existing mitigation measures did not orking as designed. The HEWRAT assessments therefore res" scenario. Therefore, the 'Step 2' results which show the aseline' conditions for the Scheme and 'Step 3' which refers in measures with the Scheme.

lutants (associated with acute pollution impacts – zinc and ollution impacts on surface water). The HEWRAT ince of the Environmental Quality Standards (EQS) (for zinc int concluded the mitigation within the drainage design would ing watercourses. The HEWRAT assessment was carried availability Tool (M-BAT). This showed two outfalls 'Failing' assessment at 'Step 3', indicating the Scheme offers an

indicating that the proposed drainage strategy treats surface . More information on the current iteration of HEWRAT nt) of the Environmental Statement Appendices [APP-178].

vsico-Chemical, Specific Pollutant or Chemical elements.

essment has been carried out for all outfalls proposed within uble pollutants within the surface water run-off on water pendix 13.3 (HEWRAT Assessment) of the Environmental

A46 are kerbs, gullies, and concrete ditches alongside the opment show that the existing system does not appear to be me will retrofit or replace the majority of the existing run for the baseline, with and without the existing mitigation in the results since the existing mitigation measures did not orking as designed. The HEWRAT assessments therefore res" scenario. Therefore, the 'Step 2' results which show the aseline' conditions for the Scheme and 'Step 3' which refers in measures with the Scheme. This is described in Section I Statement Appendices [APP-178].

I within the Scheme with the Metals Bio-availability Tool (Mat 'Step 2' and 'Passing' the HEWRAT assessment at 'Step baseline. These results can be seen in Table 3-11 on Page mental Statement Appendices [APP-178].

indicating that the proposed drainage strategy treats surface . More information on the current iteration of HEWRAT at) of the Environmental Statement Appendices [APP-178].

Environme	nt Agency position	Applicant response
	<u>APP-180</u> – 6.3 Environmental Statement - Appendix 13.5 Surface Water Quality Monitoring Report (ref. TR010065/APP/6.3, Revision 1, April 2024)	The Applicant is in agreement to increase the frequency of monitor construction phase. The Applicant proposes to update commitment
Issue	The Surface Water Quality Monitoring Report proposes quarterly monitoring of water quality during the construction phase.	Commitments of the First Iteration Environmental Management Pla Water Monitoring Report during the development of the Second Ite
Impact	Quarterly monitoring may be insufficient for identifying significant but short-term impacts. Additionally, it risks impacts to the water environment not being detected for prolonged periods of time.	construction. Adherence with the Second Iteration Environmental N Development Consent Order [APP-021].
Solution	The Applicant should increase the frequency of monitoring to at least monthly, or to reflect the monitoring conditions of any environmental permits that they may apply for.	The proposed updates to the wording of commitment RDWE7 have
Additional comments	This requirement should be secured within the Surface Water Quality Monitoring Report as part of Second Iteration EMP.	updates will be made and an updated version of the First Iteration I Deadline 2.
EAWQ-007:	Surface water quality monitoring – ecological monitoring	
Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024) <u>APP-180</u> – 6.3 Environmental Statement - Appendix 13.5 Surface Water Quality Monitoring Report (ref. TR010065/APP/6.3, Revision 1, April 2024)	<ul> <li>The Register of Environmental Actions and Commitments within the includes a number of measures to protect the water environment.</li> <li>Silt curtains to mitigate sediment disturbance and smothering of the sediment disturbance and smothering disturbanc</li></ul>
Issue	The Surface Water Quality Monitoring Report does not propose any ecological monitoring.	• The use of cut-off ditches to collect site run-off passed through
Impact	A lack of ecological monitoring means that the Applicant will not have any oversight on the ecological impact of their activities, and therefore will be unable to manage them accordingly.	<ul> <li>prior to discharge</li> <li>Reinstatement of natural bank and riparian vegetation along the</li> </ul>
Solution	Ecological monitoring should be incorporated into the monitoring of the water environment to ensure that ecological impacts can be appropriately managed.	<ul><li>scour protection cannot be reinstated)</li><li>Biosecurity measures</li></ul>
Additional comments	This requirement should be secured within the Surface Water Quality Monitoring Report as part of Second Iteration EMP.	<ul> <li>Biosecurity measures</li> <li>Environmental permit to cover any temporary dewatering activit</li> <li>Any over-pumping would be carried out at the same flow rate as and flow dynamics. Fish rescue would be undertaken and silt tra on pump.</li> <li>Best practice methods would be adhered to for sheet piling work assessment.</li> <li>Stockpile maintenance, such as cordoned off soil stockpiles with contamination by other construction activities</li> <li>These measures will be further detailed in a number of detailed mar Environmental Management Plan such as: Pollution Prevention Plan Management Plan and INNS Management Plan. Adherence with the associated detailed management plans is secured by Requirement</li> <li>The Environment Agency's Pollution Prevention Guidelines (PPG) v clear and useful best practice advice. The following standard guidar</li> <li>EA PPG1: Basic good environmental practices</li> <li>EA PPG6: Construction and demolition sites</li> <li>CIRIA Guidance C532 'Control of water pollution from construct In additional to the above, Chapter 13 (Road Drainage and the Wate details further relevant guidance which informed mitigation:</li> <li>CIRIA's Guidance C811 'Environmental good practice on site'</li> <li>CIRIA's Guidance C648 'Control of water pollution from linear c Environment Agency's 'Protect groundwater and prevent ground PPG7 'The safe operation of refuelling facilities'</li> <li>PPG13 'Vehicle washing and cleaning'</li> </ul>



ing of surface water quality to monthly during the t RDWE7 in the Register of Environmental Actions and an [APP-184] that requires an update is made to the Surface ration Environmental Management Plan, prior to Management Plan is secured by Requirement 3 of the draft

been agreed with the Environment Agency. The agreed Environmental Management Plan will be submitted at

e First Iteration Environmental Management Plan [APP-184] During construction these include measures such as:

of gravel during construction settling lagoons or silt traps to allow removal of sediments

e Scheme following construction, where possible (areas of

ties.

is the waterbody to reduce the impact of changes to quantity raps deployed where necessary. Mesh screen to be installed

rks and would be subject to an appropriate piling risk

th secure fencing or tape to prevent any disturbances or

anagement plans including as part of the Second Iteration an, Erosion and Sediment Management Plan, Soil the Second Iteration Environmental Management Plan and a 3 of the draft Development Consent Order [APP-021].

were formally withdrawn in 2015, nonetheless they provide nce will be adhered to:

ction sites - Guidance for consultants and contractors'

ter Environment) of the Environmental Statement [APP-057]

construction projects: Technical Guidance ndwater pollution'

Environmer	nt Agency position	Applicant response
		In addition, Appendix 13.4 (Drainage Strategy) of the Environmenta drainage system to mitigate adverse impacts of pollution during the is considered to provide an improvement in pollution treatment, com Due to the inclusion of these mitigation and design measures which scheme on the ecology of any watercourses it is not proposed to un watercourses.
		Appendix 13.5 (Surface Quality Water Monitoring Report) of the Endeveloped following consultation with the Environment Agency on the methodology and parameters were discussed and agreed during the theorem of the environment and parameters were discussed and agreed during the term of the environment and the environment agreed during the term of the environment agreed during the environment agre
		<ul> <li>The report outlines, as well as in-situ measurements and visual insplaboratory analysis for the following parameters:</li> <li>pH;</li> <li>Biochemical Oxygen Demand (BOD);</li> <li>Total Suspended Solids (TSS);</li> <li>Total and dissolved Metals (Copper, Cadmium, Lead, Nickel, and Total petroleum hydrocarbons (TPH);</li> <li>Polycyclic aromatic hydrocarbons (PAH);</li> <li>Chloride;</li> <li>Nitrates; and,</li> <li>Phosphate.</li> </ul> Following review of literature, water quality standards have been producity Water Monitoring Report) of the Environmental Statement A compared to pre-construction. The samples taken during construction values, and any results which exceed the water quality standards we deterioration in the water quality.
EAWQ-008:	Surface water quality monitoring – baseline	
Document references Issue	APP-180 – 6.3 Environmental Statement - Appendix 13.5 Surface Water Quality Monitoring Report (ref. TR010065/APP/6.3, Revision 1, April 2024) In section 4.1.1, Table 4-1 provides the results from the surface water quality monitoring to date. Sampling has only been completed on 3 occasions and has returned some extreme results (i.e. 62.1 mg/l Biochemical Oxygen Demand)	The Applicant confirms that sampling commenced in January 2023 quality monitoring sampling completed during the year of 2023 was Monitoring Report) of the Environmental Statement Appendices [AF the assessment reported in Chapter 13 (Road Drainage and Water The Applicant confirms that sampling will continue quarterly until co
Impact	This current level of monitoring is unlikely to provide a representative picture of the baseline environment. Any assessment that utilises this data risks underestimating the quality of the existing baseline and therefore could also underestimate the likely impacts of the Scheme.	Register of Environmental Actions and Commitments in the First Ite Applicant is of the view that this pre-construction monitoring will pro construction monitoring to be compared to.
Solution	Any assessment that relies on this data should be reconsidered to ensure impacts are not being underestimated. If the Applicant does not believe the results of these assessments are impacted by relying on this data, they should provide a clear explanation on why they believe this is so.	
Additional comments	If the Applicant deems an assessment needs to be completed with more accurate data, they may wish to consider requesting Environment Agency data as a proxy.	
EAWQ-009:	DCO Requirement 3 – Second Iteration Environmental Management Plan (EMP)	
Document references	APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)	The Applicant confirms that the Environment Agency will be added Management Plan, under Requirement 3, on matters related to its fu
Issue	The Environment Agency is not listed as a consultee for the Second Iteration EMP.	submitted at Deadline 1.



al Statement Appendices [APP-179] details upgrades to the e operation of the Scheme. The proposed drainage strategy npared to the existing system.

h have prevented the occurrence of significant effects of the ndertake ecological monitoring within any of the

nvironmental Statement Appendices [APP-180] was the 13 June 2022. The proposed locations, frequencies, his meeting.

pections, samples would be collected and sent for

nd Zinc);

roposed (shown in Table 3-1 of Appendix 13.5 (Surface Appendices [APP-180]) which the baseline conditions will be ion and post-construction will be compared to the baseline vill be reviewed to understand whether there has been a

and has continued throughout 2024. The surface water s used to inform Appendix 13.5 (Surface Quality Water PP-180] and was used to establish an initial baseline only for Environment) of the Environmental Statement [APP-57]. Instruction starts, as detailed in commitment RDWE7 of the eration Environmental Management Plan [APP-184]. The bovide sufficient baseline for the construction and post-

as a consultee to the Second Iteration Environmental functions. An updated draft DCO showing this change will be

Environmen	t Agency position	Applicant response
Impact	The Second Iteration EMP is an essential tool for controlling impacts to the water environment and ensuring compliance with environmental permits. The EMP could be less effective if it has been developed without consultation from the Environment Agency.	
Solution	The Environment Agency should be listed as a consultee for the Second Iteration EMP.	
Additional comments	Please also refer to Appendix 2 – Issue ref. EAREQ-001.	
Groundwate	r and contaminated land	
EAGWCL-00	1: British Sugar authorised (active) landfill site	
Document references	<u>APP-053</u> – 6.1 Environmental Statement - Chapter 9 Geology and Soils (ref. TR010065/APP/6.1, Revision 1, April 2024) <u>APP-064</u> – 6.2 Environmental Statement - Figure 2.2 - Environmental Constraints Plan Superseded by <u>AS-</u> <u>025</u> [Sheet 3 of 4]	Upon receipt of this Relevant Representation, the Environment Age Environment Agency mapping (Permitted Waste Sites - Authorised GOV.UK website, shows the British Sugar Borrow Pits authorised la Scheme, Figure 2.2 (Environmental Constraints Plan) (Sheet 3 of 4
Issue	The presence of the British Sugar authorised (active) landfill site within the Order Limits (red line boundary) and environmental and permit-related impacts associated with the development proposal have not been adequately addressed.	The Environment Agency has also confirmed to The Applicant, that
Impact	<ul> <li>There remains the potential for the development proposal to impact on controlled waters through the mobilisation of contaminants during construction, if the issue is not satisfactorily assessed.</li> <li>The authorised landfill is regulated by the Environment Agency through the Environmental Permitting regime.</li> <li>In this regard, it is unclear as to: <ul> <li>how the development may impact the active permit boundary;</li> <li>whether the proposed works extend onto the landfill site, and if they may affect the locations of existing</li> </ul> </li> </ul>	<ul> <li>Borrow Pit landfill (ref. EPR/VP3732LH), which was issued on 12/04 the existing A46 road or the Scheme's Order Limits. The Environme site boundary for the British Sugar authorised permitted landfill, and Sites - Authorised Landfill Site Boundaries mapping extends further authorised landfill.</li> <li>The site plan included in the permit documents for the British Sugar not show the location of the 4 groundwater monitoring boreholes (Bl are downgradient. However, the Environment Agency's local Regula have confirmed that the proposed changes to the A46 as a result of interfere with any of the existing monitoring infrastructure, and that t within permit ref. EPR/VP3732LH, is considered to be correct.</li> <li>Figure 2.2 (Environmental Constraints Plan) will be updated using the landfill, as shown on the Schedule 2 - Site plan of permit ref. EPR/V (Environmental Constraints Plan) will be re-submitted at Deadline 2.</li> </ul>
Solution	Clarification should be provided by the Applicant on the issues detailed above. The Applicant should demonstrate the proposed development will not detrimentally impact controlled waters or the authorised landfill. The existing boreholes must be identified, protected and not damaged by any of the proposed works. The boreholes are critical for ongoing monitoring, risk assessment and environmental protection and must not be damaged or affected by the proposed works. As such, we require confirmation that the boreholes will be retained and protected from damage. If the boundaries (i.e. authorised landfill site boundary / Order Limits), as shown on the submitted plans, are incorrect then these should be amended to the correct boundary to avoid confusion and unnecessary concerns.	
Additional comments	Approximate location where the authorised landfill is shown to encroach within the Order Limits: National Grid Reference SK7976654750 (X: 479766, Y: 354750). This is shown on Sheet 3 of 4 of the submitted Environmental Constraints Plan (Figure 2.2) [AS-025].	
EAGWCL-00	2: Dewatering Management Plan (DWMP)	
Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024)	The Applicant will include the commitment to produce a De-watering Management Plan [APP-184]. The First Iteration Environmental Man Second Iteration Environmental Management Plan for involvemental
Impact	EMP has not been included. For a project of this nature and scale, without a DWMP to set out the approach to dewatering, there is a risk	the draft Development Consent Order [APP-021] . The Environment agreement with mitigation and commitments.
	that unexpected dewatering may be necessary and associated delays to the delivery of the Scheme, particularly where Environment Agency permits and/or licences may be required.	The Applicant will submit an updated First Iteration Environmental N
Solution	The Applicant should commit to preparing and putting a dewatering management plan in place.	Development Consent Order [APP-021] at Deadline 2 to reflect the
Additional comments	An effective DWMP should ensure that good practice relating to the site is adhered to throughout the development, and that there is a pre-planned procedure for dealing with any unexpected challenges or issues	

Planning Inspectorate Scheme Reference: TR010065 Application Document Reference: TR010065/APP/7.11



ancy has confirmed to the Applicant that the existing Landfill Site Boundaries), which is publicly available via andfill site intersecting the current A46 road and proposed ) [AS-025], was produced using the mapped polygon on the es mapping.

the most recent permit for the British Sugar authorised 4/2007, shows that the landfill site plan does not intersect ent Agency has confirmed that this is the most up to date I that the mapped polygon on the available Permitted Waste than the actual permitted boundary of the British Sugar

authorised (active) landfill site, ref. EPR/VP3732LH does P1-BP4). BP1 is located upgradient and BP2, BP3 & BP4 ated Industry Team have recently inspected the site and the Scheme would not affect the operation, nor should they the most recent drawing of the landfill boundary, included

he most recent boundary of the British Sugar Borrow Pit /P3732LH. The updated version of Figure 2.2

ng Management Plan in the First Iteration Environmental anagement Plan [APP-184] will be developed into the tion during construction and is secured by Requirement 3 of nt Agency will be consulted during its development to ensure

Nanagement Plan [APP-184] and updated draft additional management plan.

Environmen	nt Agency position	Applicant response
	that occur which require dewatering in certain areas of the site. A DWMP will also aiding the permitting process and contribute to timely decision making. The provision of a dewatering management plan should be included in the First Iteration EMP and reflected in the Consents and Agreements Position Statement. The requirement for DWMP should also be listed in Requirement 3 (Second Iteration EMP) of the DCO.	
EAGWCL-00	03: Piling method statements and risk assessments	
Document references Issue	<ul> <li><u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024)</li> <li>There is a lack of clarity regarding the specificity of piling method statements and piling risk assessments.</li> <li>Piling method statements and piling risk assessments need to be site-specific, and the risks assessed based on the site hydrogeology and potential for contamination.</li> </ul>	The Applicant proposes to update commitment GS4 of the Register Iteration Environmental Management Plan to state that a Piling Wo locations. This is secured by Requirement 3 of the draft Development Iteration Environmental Management Plan must be produced prior to from the First Iteration Environmental Management Plan [APP-184] Management Plan must be done in consultation with the local plan r consultation with the Environment Agency. Part (v) of Requirement that a Piling Works Method Statement will be produced for the work locations and will include an appropriate risk assessment. It is antic known contamination. Given the fact that there will be a detailed Piling Works Method Stat the Environment Agency and local planning authority and approved additional specific requirement covering the piling works is unneces The Applicant will submit an updated First Iteration Environmental M Development Consent Order [APP-021] at Deadline 2 to reflect the
Impact	<ul> <li>Method statements must demonstrate that the piling risk assessment which has been undertaken assesses site- specific site investigation and hydrogeological information, in order to justify the selected piling method, and which clearly demonstrate that there are no risks or impacts to controlled waters arising from the proposed piling works. Without this there is a risk of groundwater impacts.</li> <li>Furthermore, site-specific piling method statement and risk assessments must be submitted to the Local Planning Authority (LPA) in consultation with the Environment Agency for approval <i>prior</i> to commencing piling works on the site. It is not acceptable to submit these documents for approval after the piling works have started or have been completed on the site. In this case, we will not agree the documents until further site investigation works and risk assessment is undertaken on the site to ensure that no adverse impacts have occurred, which risks project delays.</li> <li>Given the above, there is the potential for environmental impacts if works carried out before approval is sought and delays to project delivery until any issues are resolved.</li> <li>The Applicant should update the First Iteration EMP to address the above issue and identify the requirement for site-specific piling method statements and risk assessments, which are to be submitted to the LPA in consultation with the Environment Agency prior to piling activities commencing.</li> <li>We would also request a DCO Requirement to be included in relation to piling and will work with the developer to agree this.</li> </ul>	
Additional comments	Please refer to Appendix 2 – Issue ref. EAREQ-007.	
EAGWCL-00	04: Surface water and groundwater monitoring	·
Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024)	The Applicant is in agreement with the Environment Agency to incr monitoring to monthly during the construction phase, and quarterly
Issue	There is a lack of clarity in relation to surface water and groundwater monitoring commitments.	update commitment RDWE7 in the Register of Environmental
Impact	<ul> <li>The document states in the Record of Environmental Actions and Commitments (REAC) table (actions RDWE6 and RDWE7) that "surface water monitoring to be carried out before, during and after construction to ensure no adverse impact on water quality" and "groundwater monitoring to be undertaken preconstruction for at least 12 months, during construction and post construction".</li> <li>Due to the size and complexity of the project, the Environment Agency request that the surface and groundwater monitoring results are sent to us monthly for the duration of the project (i.e. before, during and after construction). This is so we have sufficient time to review the data and identify any arising impacts in a timely manner.</li> </ul>	The Applicant is also in agreement to send the Environment Agence includes the results obtained to date, as well as the results obtaine submitted. The Applicant proposes to update commitment RDWE7 of the First Iteration Environmental Management Plan [APP-184] to Agency pre-construction, during construction, and post-construction
Solution	The First Iteration EMP should be amended to reflect the above position and confirm that the monitoring results are to be sent to the Environment Agency on a monthly basis.	



r of Environmental Actions and Commitments in the First orks Method Statement will be produced specific to the piling ent Consent Order [APP-021] that confirms a Second to commencement of the works which will be developed ]. Preparation of the Second Iteration Environmental ning authority and, as per our response above, now in a 3 of the draft Development Consent Order [APP-021] states ks. This method statement will be specific to the piling cipated that there will be no piled foundations in areas of

tement and risk assessment prepared in consultation with d by the Secretary of State, it is the Applicants view that an ssary.

Management Plan [APP-184] and updated draft proposed change.

rease the frequency of both surface water and groundwater for one year post-construction. The Applicant proposes to ons and Commitments of the First Iteration Environmental nents and will re-submit an updated version of the First 2 of the examination. The Applicant has already liaised with Adherence with the Second Iteration Environmental opment Consent Order [APP-021].

by the surface and groundwater monitoring results. This d going forwards pre-construction, during construction, and Agency to confirm where the information should be in the Register of Environmental Actions and Commitments o state that monitoring results will be sent to the Environment n. The Applicant has already liaised with the Environment

Additional       We will separately confirm with the Applicant where the incommands module submitted (i.e. appropriate email address).       Agency who have agreed the proposed wording. Adheerence with it secured by Requirement 3 of the draft Development Orde         DOC Requirements 8 - Contaminated Land and groundwater       Please see the Applicant's texponder Orde         DOC Requirement 8 - Contamination B - Contaminated Land and groundwater       Please see the Applicant's response to Issue Reference EAREO-0         Wassie       Please see the Applicant's texponder Content Conter (ref. TR010065/APP/3,1, Revision 1, April 2024)       Please see the Applicant's response to Issue Reference EAREO-0         Wassie       Please see the Applicant's texponder Content Statement - First Iteration Environmental Management Plen (ref. 1000000000000000000000000000000000000	Environmen	t Agency position	Applicant response
DEC Requirement 3 - Contaminated land and groundwater           Decument Preferences         APP-021 - 3.1 draft Development Consent Order (ref. TR010085/APP/3.1, Revision 1, April 2024)         Please see the Applicant's response to Issue Reference EARE-0-04.           Waste         EAWA-001: Obsporal of waste a finish Sugar landfill         The Applicant has not approached British Sugar on this mater. The Applicant approaches British Sugar vith a proposal to leade the set of the response to the super-set on this mater. The Applicant approaches British Sugar vith a proposal to down and obsporations and the set of approaches British Sugar vith a proposal to down and obsporations and the singer set the British Sugar vith a proposal to was allowed under the existing environmental permit. This therefore has implications for the waste was allowed under the existing environmental permit. This therefore has implications for the waste was allowed under the existing environmental permit. This therefore has implications for the waste works. but the may prove problematic given to the permit to allow deposition of waste arisings from the Interiors reguration who un Nature Nature works. but the may prove problematic given to the permit to allow deposition of waste arisings from the development works. But the may prove problematic given the current limits on the permit for the doposit of production process waste.         The Applicant anticipates the regularement for abstraction licences to required where groundwater is concurrent works. but the may prove problematic given the current limits on the permit for the doposit of production process waste.         The Applicant anticipates the regularement for abstraction licences to required where groundwater is concurrent or abstraction licences to required where groundwater is concurrent auster anound required where proves bis white would hen hight li	Additional comments	We will separately confirm with the Applicant where the information should be submitted (i.e. appropriate email address).	Agency who have agreed the proposed wording. Adherence with the secured by Requirement 3 of the draft Development Consent Orde
Document references         App2021 – 3.1 draft Development Consent Order (ref. TR010085/APP/3.1, Revision 1, Aprl 2024)         Please see the Applicant's response to Issue Reference EAREC-D4.           Wasse         EAWA-001: Disposal of waste – British Sugar Iandfill         The Applicant Please feet to Appendix 2 – Sauger 16. ARXE-D3.           Document         APP-021: A D5. Forwison 1, Aprl 2024)         The Applicant Please feet to Appendix 2 – Sauger 16. ARXE-D3.           Impact         If the Applicant prevents D usures an option to deposit any waste arisings at the Prints Sugar and/trived landfil site.         The Applicant prevents Please feet to Masse Will be deal will by an appointed if Applicant's possible particular.           Solution         The Applicant prevents Please feet to Masse Will be deal will by an appointed if deposit any waste arisings at the Prints Sugar and/trived landfill site.         The Applicant Please feet Will be case and appendix traffil site.         The Applicant's prevents Please and appendix and will be applicant Please feet Will be case and appendix and the Prints Please feet Will be case and appendix and the Prints Please feet Will be case and appendix and the Prints Please feet Will be case and appendix and the Prints Please feet Will be case and appendix and appendix and the applicant the Applicant Please feet Will be case and appendix and appendix and appendix and the Prints Please feet Will be case and appendix and appreversion will b	DCO Requir	ement 8 - Contaminated land and groundwater	
Comments         Please refer to Appendix 2 - Issue ref. EAREQ-004.           Wastes           EAWA-001: Disposal of waste – British Sugar Iandfill           Document         ApP:131 - 6.3 Environmental Statement - First Ileration Environmental Management Plan (ref. references.         The Applicant has not approache British Sugar on this matter. The requirements should such a proposal be pursued. The use of lamfi discolet any waste arising at the british Sugar authorized andfill site.         The Applicant has not approache British Sugar on this matter. The requirements should such a proposal be pursued. The use of lamfi discolet any waste arising at the british Sugar with a proposal to drooost waste arising at the british Sugar with a proposal to drooost waste arising at the indifill site. the Environment Aperny would need to be satisfied that such management strategy and potential delays to the project.           Solution Ise. and discuss any permit implications with any prove problematic given the current limits on the permit for the deposit of drowstes arising from British Sugar's production process.         The Applicant has implications of new avers any consider varying their permit to allow daposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.           Water resources         EAWR-001: Water usage – abstraction licencing Document Indegute information on other consumptive uses of water required for the construction phase of the driving data short information on other consumptive uses of water required from the consumptive uses of varter required from the Scheme where licences indegutes information on other consumptive uses of water required from the consumptive uses of the constructio	Document references	APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)	Please see the Applicant's response to Issue Reference EAREQ-0
Waste EAWA-001: Disposal of waste – British Sugar landfill         First Iteration Environmental Management Plan (ref. 1000000000000000000000000000000000000	Comments	Please refer to Appendix 2 – Issue ref. EAREQ-004.	
EXMA.201: Disposal of waste – British Sugar Inardiii           Document References         ReP:104 – 6.5 Environmental Statement - First Itaration Environmental Management Plan (ref. TR01005KMPP/6.5, Revision 1, April 2024)         The Applicant Itaration Environmental Agency and the British Sugar on this matter. TR01005KMPP/6.5, Revision 1, April 2024)           Impact         If the Applicant Iteration Sugar With a proposal to deposit waste arisings at the British Sugar authorized landfill site. The Applicant Storemental Agency's requirements should such a proposal to deposit waste arisings at their landfill site, the Environment Agency would need to be satisfied that such waste management strategy and potential delays to the project. Solution         The Applicant Iterations regular waste disposal and the British Sugar authorized landfill site, and depasts any permit implications with our Mational Permiting Sorvice (MPS). Additional         The Applicant Iterations Reparation Stratement First Networks the existing environmental Permiting Sorvice (MPS). Solution         The Applicant Iteration Reparation Stratement First Networks the existing environmental Permiting Sorvice (MPS). Additional         The Applicant anticipates the requirement for abstration process waste.           Water resources         EAWR-001' Water usage - abstraction licencing         The Applicant anticipates the requirement part or abstraction licencing           The documentation submitted acknowledges the requirement for abstraction licencing         The Applicant anticipates short users associated water would be initially discharged in the Revier management works, but his may prove problematic given the current limits on the permiter for the construction phase of the dovelopment.           EVMW	Waste		
Document         APP:149 - 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. references. TR010565/APP(35, Revison 1, April 224)         The Applicant has not approached British Sugar on this matter. The requirements Should such a proposal be pursued. The use of landfi used as a last resort. All waste will be doalt with by an appointed if Applicant spositon changes, the Environment Agency will be consu- tion and gency is requirements should such a proposal b deposit waste arising at the landfill site.         The Applicant approaches British Sugar on this matter. This herefore the assing and the landfill site.         The Applicant should such a proposal b deposit waste arising at the landfill site.         The Applicant should such a proposal b deposit waste arising at the landfill site.         The Applicant should such a proposal b deposit waste arising at the landfill site.         The Applicant should confirm their intensions regarding waste disposal and the British Sugar anthorised landfill do wastes anting from British Sugar's production process.         Environmental Agency will be consu- tion deposited waste arising at the landfield sets on the propiet.           Additional comments         • Our understanding is that this is not allowed as the existing environmental permit for the deposit of production process waste.         • Our understanding is the Environment Agency will be waster works, but this may prove problematic given the current limits on the permit for abstraction licences for de-watering and indepates betriever the wish (being exempt) and longer term (requiring a licence) needs. However, there is indepates horter mounts (being exempt) and longer term (requiring a licence) needs. However, there is indepate information on other consumptive uses of water required for the construction phase of the indepates information enviro	EAWA-001:	Disposal of waste – British Sugar landfill	
Issue         It is not clear if the Applicant intends to pursue an option to deposit any watar arisings at the inatifies type arubicized landfill site.         If water will be dealt with by an appointed appointed if the Applicant approaches British Sugar with a proposal to deposit water arisings at the inatifies type arubicine the appointed if was allowed under the existing environmental permit. This therefore has implications for the waste management strategy and potential delays to the project.           Solution         The Applicant should confirm their intentions regarding waste disposal and the British Sugar authorised landfill of wastes arising from British Sugar's production process.         E British Sugar may consider varying their permit to allow deposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.           Water resources         EAWRe-001: Water usage – abstraction licencing           Document lisue         Applicant anticipates the requirement for abstraction licences for de-watering and anticipates short term (wr isk (being exempt) and longer term (requiring a licence) needs. However, there is indeductiat information on other consumptive uses of water requirement for abstraction licencing requirements are not clear, which impacts our understanding of this sus and therefore how it could impact the Scheme.         The Applicant anticipates the requirement for dustracting of this associated water to prevent possible additional           Impact         In the absence of further information on other consumptive uses of water required for the construction phase of the adsociate information.         The Applicant anticipates shore duster equirement for abstraction licences requir	Document references	<u>APP-184</u> – 6.5 Environmental Statement - First Iteration Environmental Management Plan (ref. TR010065/APP/6.5, Revision 1, April 2024)	The Applicant has not approached British Sugar on this matter. The requirements should such a proposal be pursued. The use of landfi
Impact       If the Applicant approaches British Sugar with a proposal to deposit wase anisings at their landfill site, the Environment Agency would need to be satisfied that such waste management tratategy and potential delays to the project.         Solution       The Applicant should confirm their intentions regarding waste disposal and the British Sugar authorised landfill active. The Mational Permitting Service (NPS).         Additional comments       • Our understanding is that this is not allowed as the existing environmental permit only allows the deposit of vastes arising from British Sugar any duction process.         • British Sugar may consider varying their permit to allow deposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.         Water resources         EAWNE-001: Water usage – abstraction licencing         Document references         Inserve       The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term (or nosumptive uses of water required for the construction phase of the documentation. Some comsumptive uses of water required for the construction phase of the sequencement.         Impact       • In the absence of further information on other consumptive uses of water required for the softraction process.         Solution       • The inspact do illicence restrictions (see comment below) may therefore affect design and on-site operation is abstracted waters to dustars for dustar adpoint information on other consumptive uses of water required desing (e.g. if site storage is nadeliquate information c	Issue	It is not clear if the Applicant intends to pursue an option to deposit any waste arisings at the British Sugar authorized landfill site.	used as a last resort. All waste will be dealt with by an appointed li Applicant's position change, the Environment Agency will be consu
Solution       The Applicant should confirm their intentions regarding waste disposal and the British Sugar subnished landfill site, and discuss any permit implications with our National Permitting Service (NPS).         Additional comments       • Our understanding is that this is not allowed as the existing environmental permit only allows the deposit of waste arisings from British Sugar's production process.         • British Sugar may consider varying their permit to allow deposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.         Water resources         EAWR-001: Water usage – abstraction licencing         Document references         APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)         The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.       The hapsence of further information on other consumptive uses of water, the abstraction licencing requirement do rabits to the implementation of the Scheme where licences are required from the Ervicional slabs bit delays to the implementation of the Scheme where licences are no other activities associated with the Scheme that will revert portable consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project desigi	Impact	If the Applicant approaches British Sugar with a proposal to deposit waste arisings at their landfill site, the Environment Agency would need to be satisfied that such waste was allowed under the existing environmental permit. This therefore has implications for the waste management strategy and potential delays to the project.	the Environmental Agency's requirements should such a proposal b
Additional comments       • Our understanding is that this is not allowed as the existing environmental permit only allows the deposit of wastes arising from British Sugar's production process.         • British Sugar may consider varying their permit to allow deposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.         Water resources         EAWR-001: Water usage – abstraction licencing         Document references         APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)         Issue         The documentation submitted acknowledges the requirement for abstraction licences for de-watering and naticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.       The impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required for the construction phase of the development.         We recomment considering potential consumptive uses of water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).         Additional       The documentation submitted acknowledges the requirement for abstraction licences are required for ther consu	Solution	The Applicant should confirm their intentions regarding waste disposal and the British Sugar authorised landfill site, and discuss any permit implications with our National Permitting Service (NPS).	
Bittish Sugar may consider varying their permit to allow deposition of waste ahsings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste. Water resources EAWR-001: Water usage – abstraction licencing Document APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024) Issue The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact else scheme. The impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required from the Environment Agency post-decision. Solution We recomment donsidering potential consumptive uses of water in more detail and a further investigation of otimes of unavailability). Additional Comments APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	Additional comments	<ul> <li>Our understanding is that this is not allowed as the existing environmental permit only allows the deposit of wastes arising from British Sugar's production process.</li> </ul>	
Water resources         EAWR-001: Water usage – abstraction licencing         Document references         Impact         Impact         • In the absence of further information on other consumptive uses of water required for the solution unicigates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.       The Applicant anticipates the requirement for abstraction licences to requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.       The impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required from the Environment Agency post-decision.         Solution       We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).         Additional comments       The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         General / cross-cutting comments       App-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)		<ul> <li>British Sugar may consider varying their permit to allow deposition of waste arisings from the development works, but this may prove problematic given the current limits on the permit for the deposit of production process waste.</li> </ul>	
EAWR-001: Water usage – abstraction licencing         Document references       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)       The Applicant anticipates the requirement for abstraction licences to required where groundwater is encountered during excavation with An anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water the construction phase of the development.       The Applicant anticipates the requirement for abstraction licences to anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.       The horp adstracted waters would be initially discharged into the River T borrow pits, which would then be used as storage areas are required from the Environment Agency post-decision.         Solution anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).       There are no other activities associated water to prevent possible anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, threr is inadequate information on other consumptive uses of water required for the construction phase of the development.         General / cross-cutting comments       APP-023 – 3.3 Consents and Agreements Position	Water resou	rces	
Document references         APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)         The Applicant anticipates the requirement for abstraction licences to required where groundwater is encountered during excavation with anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         The Applicant anticipates the requirement for abstraction licences to required where groundwater is encountered during excavation with anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.         The event that restric including using water from local hydrants following approval by the investigation of options for different sources of supply as this may affect the project design (e.g., if site storage is needed for times of unavailability).         The documental anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         The applicant anticipates short term or local hydrants following approval by the investigation of options for different sources of supply as this may affect the project design (e.g., if site storage is needed for times of unavailability).         The documentalion submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other	EAWR-001:	Water usage – abstraction licencing	
Issue         The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         Any abstracted waters would be initially discharged into Rever T borrow pits, which would then be used as storage areas for water to within the new ponds, any further ground water encountered during where stored waters for dust suppression are depleted, the Scheme are requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.         Any abstracted waters would be initially discharged into the River T borrow pits, which would then be used as storage areas for water to within the new ponds, any further ground water encountered during where stored waters for dust suppression are depleted, the Scheme are required from the Environment Agency post-decision.           Solution         We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).         Additional Additional anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.           General / cross-cutting comments         EAGCC-001: Required Environment Agency permits and licences Document references	Document references	<u>APP-023</u> – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	The Applicant anticipates the requirement for abstraction licences t required where groundwater is encountered during excavation with
Impact       • In the absence of further information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.       For the impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required from the Environment Agency post-decision.       For the impact the Scheme that will regenerally be sourced by mains abstracted water to prevent possible machinery.         Solution       We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).       The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.       For the equired Environment Agency permits and licences         Bacce-001:       Required Environment Agency permits and licences       EAGCC-001:       Required Environment Agency permits and licences         Document       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)       For an anticipate and agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	Issue	The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.	Any abstracted waters would be initially discharged into the River T borrow pits, which would then be used as storage areas for water to within the new ponds, any further ground water encountered during Where stored waters for dust suppression are depleted, the Schem
The impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required from the Environment Agency post-decision.     We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).     Additional comments     Additional anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.     General / cross-cutting comments     EAGCC-001: Required Environment Agency permits and licences     Document references     APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	Impact	<ul> <li>In the absence of further information on other consumptive uses of water, the abstraction licencing requirements are not clear, which impacts our understanding of this issue and therefore how it could impact the Scheme.</li> </ul>	restrictions are placed on the watercourse. In the event that restric including using water from local hydrants following approval by the
Solution       We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).         Additional comments       The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         General / cross-cutting comments       EAGCC-001: Required Environment Agency permits and licences         Document references       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)		<ul> <li>The impact of licence restrictions (see comment below) may therefore affect design and on-site operations during construction. There could also be in delays to the implementation of the Scheme where licences are required from the Environment Agency post-decision.</li> </ul>	There are no other activities associated with the Scheme that will re generally be sourced by mains abstracted water to prevent possible machinery.
Additional comments       The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.         General / cross-cutting comments         EAGCC-001: Required Environment Agency permits and licences         Document references       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	Solution	We recommend considering potential consumptive demands for water in more detail and a further investigation of options for different sources of supply as this may affect the project design (e.g. if site storage is needed for times of unavailability).	
General / cross-cutting comments         EAGCC-001: Required Environment Agency permits and licences         Document references       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	Additional comments	The documentation submitted acknowledges the requirement for abstraction licences for de-watering and anticipates short term low risk (being exempt) and longer term (requiring a licence) needs. However, there is inadequate information on other consumptive uses of water required for the construction phase of the development.	
EAGCC-001: Required Environment Agency permits and licences         Document references       APP-023 – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	General / cr	oss-cutting comments	
Document references         APP-023         – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	EAGCC-001	: Required Environment Agency permits and licences	
	Document references	<u>APP-023</u> – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	

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ne Second Iteration Environmental Management Plan is r [APP-021].

04.

e Applicant accepts the Environmental Agency's fills is to be avoided by the Scheme where possible and only icensed waste management company. Should the ulted to discuss the use of the landfill. The Applicant accepts be pursued.

to enable the main construction works. Abstraction will be n key areas identified but not limited to Farndon Borrow Pits. Trent until pond creation has been completed within the to be used for dust suppression. Where capacity is reached g excavation works would be discharged into the River Trent. ne proposes abstraction from the River Trent unless any ctions are enforced, alternative sources would be sought e local water and sewerage undertaker.

require the consumptive use of abstracted waters as this will le contamination of materials or damage to tools and

Image         The list of consents and agreements may not be conclusive and, depending on situations encourtered, other discharge permits and waste management.         The Applicant has considered all potential licensing requirements and there is a hisk of display to the dishere of the Scharge harding to watter resources licensing, water discharge permits and waste management.         The Applicant has considered all potential licensing requirements and up understand what the project requires.           Solution              • The Applicant has included in understand what resources licensing has be discharge permits and uses management.              The Applicant has included induct discharge permits discharge permits and uses management.           Solution              • The Applicant has included in the project requires.              The Applicant has included in the required of removals at its possible.           Additional Vortice of the Consents and Agreements position Statement document and further is possible.              The Applicant is and view of licenses for vaste r equacity for storage. Any discharge with the theorements is possible.           Appendix 2—Draft Development Competitions and Agreements Position Statement (RPP.023) = 3.1 data Development Consent Order (ROI: TR010065/APP13.1, Revision 1, April 2024) application of other Environment Agency permits and licences           Comments              APP.2021 = 3.1 data Development Consent Order (ROI: TR010065/APP13.1, Revision 1, April 2024) application of other Environment Agency permits and licences in discated where an evalue of application discative sciences and agreements Position Statement (RPP.023). Revisions 1, April 2024) Experimente Applicant is	Environme	nt Agency position	Applicant response
Impact sector         There is a risk of delays to the delivery of the Scheme where consents and agreements are insufficiently during the sector of the Applicant should where the Applicating applications, queries and fully understand what the project requires.         The Applicant has included the need for water discharge porties a fully understand what the project requires.         The Applicant should review the Consents and Agreements Position Statement document and further consider what is required.         The Applicant should review the Consents and Agreements Position Statement and unsert consent of any delays during the project the Applicant should ensure that the Consents and Agreements is possible.         The Applicant is currently availing a review of licences for waster is possible.           Additional Comment Appendix 2—Draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) references         The Applicant is not currently seeking to disapply the Environment Agency to agree the terms indicated the Provision Statement (ref. TR010065/APP/3.1, Revision 1, April 2024) resplication of other Environment Agreements Position Statement (ref. TR010065/APP.3.3, Revision 1, April 2024) references         The Applicant is not currently seeking to disapply the Environment Agency to agree the terms the consent of reference application of other Environment Agreements Position Statement (ref. TR010065/APP.3.3, Revision 1, April 2024) resplication of other Environment Agreements Position Statement (ref. TR010065/APP.3.3, Revision 1, April 2024)         The Applicant is not currently seeking to disapply the Environment Agency to agree the terms the consent of reference application of other Environment Agreements Position Statement (ref. TR010065/APP.3.3, Revision 1, April 2024)           Development to consent of refere towind provide the provis	Issue	The list of consents and agreements may not be conclusive and, depending on situations encountered, others may be needed that have yet to be identified, for example, relating to water resources licencing, water discharge permits and waste management.	The Applicant has considered all potential licensing requirements for additional licences to be attained. Water resource licensing has been only licensable activity as no impoundment of watercourses is to be
Solution       • The Applicant should review the Consents and Agreements Position Statement document and further consider what is required.       • Capacit for storage. Any discharge will be treated before discharg Agroc.         Additional       • To avoid any delays during the project the Applicant should ensure that the Consents and Agreements Position Statement comprehensively covers a range of scenarios that may, or may not occur, insolar as it is possible.       • The Applicant is currently availing a review of licences for water is possible.         Additional       We recommend early engagement and pre-application advice is sought to ensure that all the consents, comment 3 genery permits and licences       • Examining Authority as appropriate.         Disapplication of other Environment Agency permits and licences       • Evaluation of the Environment Agency permits and licences         Disapplication of flood risk activity permits (FRAPS)       • We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities cannot be disapplication of the ER for flood risk activities.       • The Applicant will contact the Environment Agency to agree the terms         Disapplication of other Environment Agency permits and licences       • We acknowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences as confirmed in the Consent sind Agreements Position Statement.       • The Applicant is not seeking to disapply any other Environment Agency permits and licences as confirmed in the Consent order (ICO) Requirements.         Disapplication of other Environment Agency permits and licences       • Exhould be	Impact	There is a risk of delays to the delivery of the Scheme where consents and agreements are insufficiently comprehensive to allow the Environment Agency to effectively deal with permit applications, queries and fully understand what the project requires.	The Applicant has included the need for water discharge permits w Statement {APP-023] and these will be required for removal of surf watercourses in close proximity to the Scheme that fall within the C
To avoid any delays during the project the Applicant should ensure that the Consents and Agreements     Position Statement comprehensively covers a range of scenarios that may, or may not occur, insolar as it     possible.     Additional     We recommend early engagement and pre-application advice is sought to ensure that all the consents,     admining Authority as appropriate.     Appendix 2 - Draft Development Consent Order and other documents - key issues and advice     Disapplication of other Environment Agency permits and Itenenese     Document     Appendix 2 - Draft Development Consent Order (ef. TR010065/APP/3.1, Revision 1, April 2024)     Appendix 2 - Draft Development Consent Order (ef. TR010065/APP/3.1, Revision 1, April 2024)     Appendix 3 - Disapplication of thoor fark activity permits (FRAPs)     We acknowledge that the Applicant is not currently seeking to disapply the Environment Agency to agree the terms     Disapplication of thoor fark activity permits (FRAPs)     We acknowledge that the Applicant is not currently seeking to disapply the Environment Agency to agree the terms     Disapplication of the fore confirm if they are indeed seeking the disapplication of the EPK fore flood     risk activities.     It is should be noted that the EPR for flood risk activities cannot be disapplied without our consent.     Should we agree to disapplication of other Environment Agency permits and     licences, as confirmed in the Consents and Agreements Position Statement.     Disapplication of other Environment Agency permits and     licences as confirmed in the Consents and Agreements Position Statement.     Disapplication of other Environment Agency permits and     licences as confirmed in the Consents and Agreements Position Statement.     Disapplication of other Environment Agency permits and     licences as confirmed in the Consents and Agreements Position Statement.     Disapplication of other Environment Agency permits and     licences, as confirmed in the Consents and Agreements Position State	Solution	The Applicant should review the Consents and Agreements Position Statement document and further consider what is required.	capacity for storage. Any discharge will be treated before discharge Agency.
Additional comments agreements and supporting management strategies are in place and issued without undue delay.         Appendix 2 - Draft Development Consent Order and other documents - Key Issues and advice         Disapplication of other Environment Agency permits and licences         Documents         RPP-021 - 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)         Disapplication of food risk activity permits (RRAPs)         Comments         Disapplication of food risk activity permits (RRAPs)         • We acknowledge that the Applicant is not currently seeking to disapply the Environment Lagency to agree the terms obsplication of theor fask activities in the draft Development Consent Order (DCO) but, it is indicated in the Consent Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.         • It should be noted that the EPR for flood risk activities cannot be disapplied without our consent. Should we agree to disapplicant is not seeking to disapply any other Environment Agency permits and licences         We acknowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences         We acknowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences         We acknowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences         We acknowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences		• To avoid any delays during the project the Applicant should ensure that the Consents and Agreements Position Statement comprehensively covers a range of scenarios that may, or may not occur, insofar as it is possible.	The Applicant is currently awaiting a review of licences for waste m are identified, Appendix A of the Consents and Agreements Positic Examining Authority as appropriate.
Appendix 2 - Draft Development Consent Order and other documents – key issues and advice         Disapplication of other Environment Agency permits and licences         Document references       APP-021 - 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) APP-023 - 3.3 Consents and Agreements Position       The Applicant is not currently seeking to disapply the Environment Agency to agree the terms         Comments       Disapplication of flood risk activities in the draft Development Consent Order (BCD0) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of theor risk activities.       • We acknowledge that the Applicant is not currently seeking to disapply the Environment Agency to agree the terms         Disapplication of other Environment Agency permits and licences.       • It should be noted that the EPR for flood risk activities cannot be disapplied without our consent. Should we agree to disapplication of toker Environment Agency permits and licences. As confirmed in the Consents and Agreements Position Statement.         Development Consent Order (DCO) Requirements       Disapplication of toker Environment Agency permits and licences. As confirmed in the Consents and Agreements Position Statement.         Development reference:       Disapplication of the Environment Idences         We achnowledge that the Applicant is not seeking to disapply any other Environment Agency permits and licences. As confirmed in the Consents and Agreements Position Statement.         Development Consent Order (DCO) Requirements       Development Consent	Additional comments	We recommend early engagement and pre-application advice is sought to ensure that all the consents, agreements and supporting management strategies are in place and issued without undue delay.	
Disapplication of other Environment Agency permits and licences         Document references       APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) AppP.023 – 3.2 Consents and Agreements Position       The Applicant is not currently seeking to disapply the Environment there are no Protective Provisions within the draft Development Con- statement (ref. TR010065/APP/3.3, Revision 1, April 2024)         Comments       Disapplication of flood risk activity permits (FRAPs) <ul> <li>We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities in the draft Development Consent Order (DCO) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.              <ul> <li>It should be noted that the EPR for flood risk activities cannot be disapplied without our consent. Should we agree to disapplication following further discussions with the Applicant, the draft DCO will need to be updated to include our protective provisions.</li> <li>Disapplication of other Environment Agreey permits and licences, as confirmed in the Consents and Agreements Position Statement.</li> <li>Document reference: APP.021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)</li> <li>EAREQ-001: Requirements 3 – Second Iteration Environmental Management Plan (EMP)</li> <li>Document Terminent EMP:</li> <li>The Applicant can confirm that the Environment Agency will be ad Management Plan, under Requirement 3 of the draft Development Consent Order (DCO) Schedule 2, Requirements Part 1 Requirements, page 61 i</li></ul></li></ul>	Appendix 2	- Draft Development Consent Order and other documents - key issues and advice	
Document references         APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) APP.023 – 3.3 Consents and Agreements Position         The Applicant is not currently seeking to disapply the Environment Agency to agree the terms           Comments         Disapplication of flood risk activity permits (FRAPs)         The Applicant is not currently seeking to disapply the Environment Agency to agree the terms           Comments         We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities in the draft Development Consent Order (DCO) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.         It is hould be noted that the EPR for flood risk activities cannot be disapplied without our consent. Should we agree to disapplication following further discussions with the Applicant, the draft DCO will need to be updated to include our protective provisions.           Disapplication of other Environment Agency permits and licences, as confirmed in the Consents and Agreements Position Statement.           Development Consent Order (DCO) Requirements           Document reference: APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)           EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP)           Document         The Environment Agency is not listed as a consultee for the second Iteration EMP.           Impact         The Environment Agency should be ited as	Disapplicat	ion of other Environment Agency permits and licences	
Comments         Disapplication of flood risk activity permits (FRAPs)           •         We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities in the draft Development Consent Order (DCO) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.           •         It should be noted that the EPR for flood risk activities cannot be disapplication of the EPR for flood risk activities.           •         It should be noted that the EPR for flood risk activities cannot be disapplicant, the draft DCO will need to be updated to include our protective provisions.           Disapplication of other Environment Agency permits and licences, as confirmed in the Consents and Agreements Position Statement.           Development Consent Order (DCO) Requirements           Document references:           Document           Darat DCO, Schedule 2, Requirements, Part 1 Requirements, page 61 references           The Environment Agency is not listed as a consulter for the Second Iteration EMP.           Impact         The Environment Agency will the as a consultation with the Environment Agency, it could be less effective and the range of environmental management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts in not satifactorily managed.           Solution         The Environment Agency should be listed as a consulteroo to the Second Iteration EMP.      <	Document references	<u>APP-021</u> – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) <u>APP-023</u> – 3.3 Consents and Agreements Position Statement (ref. TR010065/APP/3.3, Revision 1, April 2024)	The Applicant is not currently seeking to disapply the Environmenta there are no Protective Provisions within the draft Development Co Applicant will contact the Environment Agency to agree the terms of
We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities in the draft Development Consent Order (DCO) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.     It is hould be noted that the EPR for flood risk activities cannot be disapplication of the EPR for flood risk activities.     It is hould be noted that the EPR for flood risk activities cannot be disapplication, the draft DCO will need to be updated to include our protective provisions.     Disapplication of other Environment Agency permits and licences, as confirmed in the Consents and Agreements Position Statement.     Development Consent Order (DCO) Requirements Document reference: APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024) EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP) Document references The Environment Agency is not listed as a consultee for the Second Iteration EMP. Surface of the draft Development Impact Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental maters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed. Solution The Environment Agency should be listed as a consultee for the Second Iteration EMP. EAREQ-002: Requirement 4 – Third Heration EMP is development (EMP)	Comments	Disapplication of flood risk activity permits (FRAPs)	]
licences, as confirmed in the Consents and Agreements Position Statement.         Development Consent Order (DCO) Requirements         Document reference: APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)         EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP)         Document references         Descend Iteration Environment Agency is not listed as a consultee for the Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)		<ul> <li>We acknowledge that the Applicant is not currently seeking to disapply the Environmental Permitting Regulations (EPR) for flood risk activities in the draft Development Consent Order (DCO) but, it is indicated in the Consents and Agreements Position Statement that they may seek to do so. The applicant should therefore confirm if they are indeed seeking the disapplication of the EPR for flood risk activities.</li> <li>It should be noted that the EPR for flood risk activities cannot be disapplied without our consent. Should we agree to disapplication following further discussions with the Applicant, the draft DCO will need to be updated to include our protective provisions.</li> </ul>	
Development Consent Order (DCO) Requirements         Document reference: APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)         EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP)         Document references       Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61         Issue       The Environment Agency is not listed as a consultee for the Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)		licences, as confirmed in the Consents and Agreements Position Statement.	
Document reference: APP-021 – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)         EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP)         Document references       Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61         Issue       The Environment Agency is not listed as a consultee for the Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Developme	nt Consent Order (DCO) Requirements	
EAREQ-001: Requirement 3 – Second Iteration Environmental Management Plan (EMP)         Document references       Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61         Issue       The Environment Agency is not listed as a consultee for the Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Document r	reference: <u>APP-021</u> – 3.1 draft Development Consent Order (ref. TR010065/APP/3.1, Revision 1, April 2024)	
Document references       Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61       The Applicant can confirm that the Environment Agency will be ad Management Plan, under Requirement 3 of the draft Development Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)       EAREP.	EAREQ-001	: Requirement 3 – Second Iteration Environmental Management Plan (EMP)	
Issue       The Environment Agency is not listed as a consultee for the Second Iteration EMP.       functions. An updated draft Development Consent Order has been Second Iteration EMP.         Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.       Functions. An updated draft Development Consent Order has been functions. An updated draft Development Consent Order has been resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61	The Applicant can confirm that the Environment Agency will be add Management Plan, under Requirement 3 of the draft Development
Impact       Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.         Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Issue	The Environment Agency is not listed as a consultee for the Second Iteration EMP.	functions. An updated draft Development Consent Order has been
Solution       The Environment Agency should be listed as a consultee for the Second Iteration EMP.         EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Impact	Where the Second Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and the range of environmental matters (such as surface water and groundwater quality, water resources, aquatic ecology, flood risk and waste management, for example) within our remit may not be adequately addressed, which could lead to avoidable impacts if not satisfactorily managed.	
EAREQ-002: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	Solution	The Environment Agency should be listed as a consultee for the Second Iteration EMP.	
	EAREQ-002	: Requirement 4 – Third Iteration Environmental Management Plan (EMP)	

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or the Scheme and cannot foresee any requirement for en considered and abstraction has been identified as the e undertaken.

vithin Appendix A of the Consents and Agreements Position face waters from the works areas to be discharged into Order Limits, but only where ponds do not have enough e and only where this has been agreed with the Environment

nanagement by an appointed specialist and where any gaps on Statement [APP-023] will be updated and submitted to the

al Permitting Regulations for flood risk activities. Therefore, onsent Order [APP-021]. Should this position change, the of the protective provisions.

ded as a consultee to the Second Iteration Environmental Consent Order [APP-021], on matters related to its statutory submitted at Deadline 1 to reflect this change.

Environmen	t Agency position	Applicant response
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 61	The Applicant can confirm that the Environment Agency will be add Management Plan, under Requirement 4 of the draft Development
Issue	The Environment Agency is not listed as a consultee for the Third Iteration EMP.	functions. An updated draft Development Consent Order has been
Impact	Where the Third Iteration EMP is developed without consultation with the Environment Agency, it could be less effective and environmental matters within our remit may not be adequately addressed.	
Solution	The Environment Agency should be listed as a consultee for the Third Iteration EMP.	
EAREQ-003	Requirement 6 – Landscaping	
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 62	The Applicant has considered the Environment Agency's comment Consent Orders (DCOs), including the A12 Chelmsford to A120 With
Issue	The Environment Agency is not listed as a consultee for landscaping details.	A47/A11 Thickthorn Junction DCO 2022. The proposal to include the
Impact	Where we are not listed as a consultee, there is a risk that matters within our remit are not adequately address. Principally, our concerns in this regard relate to potential impacts on main rivers, flood defences and works in flood risk areas (Flood Zone 3).	Applicant does not consider it necessary or appropriate to agree to
Solution	The Environment Agency should be listed as a consultee to ensure that we are consulted on matters related to our functions.	The Applicant has engaged with the Environment Agency througho of the quarterly Environmental Technical Working Group (TWG). The consultation bodies of the progress and timescales for the Scheme consider appropriate design solutions and seek to agree statements. The Environmental TWG also provided a format for technical review documents supporting the ES, and associated surveys, developme mitigation requirements, and environmental opportunities and enha sufficiently consulted with the Environment Agency to address its con- The Applicant asks the Environment Agency to clarify their specific.
EAREQ-004	Requirement 8 - Contaminated land and groundwater	
Document	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 63	The Applicant has updated the draft Development Consent Order [/
references		and the Environment Agency to address this issue. The updated d
Issue	The current wording of Requirement 8 does not require construction to stop if unsuspected contamination is discovered pending investigation and remediation where required.	submitted at Deadline 1.
Impact	There is a risk that contaminants are mobilised if construction continues without appropriate investigation and remediation where required, which could impact on controlled waters.	
Solution	<ul> <li>I o address the above, the wording of the Requirement should be amended. We have the following suggested wording (to be agreed):</li> <li>If contamination is found, the construction activity should stop in the affected area, pending the undertaking of risk assessment, production of a remediation scheme/programme and undertaking of the remediation itself.</li> </ul>	
Requiremen	t 13 – Surface and foul water drainage	
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 65	Should the Lead Local Flood Authority request to be a consultee in Consent Order, the Applicant will consider that request at that time.
Comments	We note that the Lead Local Flood Authority (LLFA) is not listed as a consultee in relation to its lead role in surface water flood risk and managing surface water run-off, as such we would recommend their inclusion in this Requirement. This is to be discussed between the Applicant and the relevant LLFA.	
EAREQ-005	Requirement 14 – Flood compensatory storage	
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 65	The Applicant has updated the wording in Requirement 14 of the climate change allowance referred to by the Environment Agency has been submitted at Deadline 1 reflecting this change. In order Agency, the Applicant has set out the proposed amendments to F
Issue	Sub-paragraph 2 states the climate change allowance as 35%, which is not correct for this location and does not accord with the flood risk assessment.	
Impact	The Requirement wording does not align with the submitted flood risk assessment, which is based on the correct 39% climate change allowance for this location, therefore there is a risk of misinterpretation and a lack of clarity.	Flood compensatory storage 14(1)



ded as a consultee to the Third Iteration Environmental Consent Order [APP-021], on matters related to its statutory submitted at Deadline 1 to reflect this change.

and has reviewed various other made Development dening DCO 2024, the M3 Junction 9 DCO 2024 and the he Environment Agency as a consultee in relation to the onsent Order [APP-021] is not precedented and the this amendment.

but the development of the environmental design in the form his Environmental TWG was established to inform e, and also to review and discuss specific Scheme issues, to ts of common ground (SoCGs) on environmental matters. w of the ES assessments such as EIA methodology and ent, review and agreement of environmental design, ancements. The Applicant is therefore satisfied that it has concerns.

concerns which the Applicant will address in full.

App-021] to reflect drafting agreed between the Applicant lraft Development Consent Order [APP-021] will be

relation to Requirement 13 of the draft Development

raft Development Consent Order to refer to the correct An updated copy of the draft Development Consent Order o assist the Examining Authority and the Environment equirement 14 below:

Environmen	at Agency position	Applicant response
Solution	The wording of this Requirement should be amended to address the above issue.	(2) The schemes prepared under paragraph (1) must provide suital displaced by the authorized development in the 1 in 100 year plus.
Additional	Rather than correcting the error, we would however recommend that the percentage reference is removed and	
comments	reworded as per the following suggestion (to be agreed), to ensure the flood risk assessment is the point of	
	reference:	
	2) The schemes prepared under paragraph (1) must	
	provide suitable flood storage for any flood waters that would be displaced by the authorised	
	development in the 1 in 100 year plus <del>35%</del> appropriate climate change allowance <del>event,</del> in line with	
	the approved flood risk assessment.	
EAREQ-006	: Requirement 15 – Flood risk assessment	I
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements, page 65	The Applicant notes the comments from the Interested Party.
Issue	We currently do not agree with the wording in sub-paragraph 2, as we have unresolved issues with the flood	
	risk assessment in relation to increases in flood risk elsewhere.	
Impact	We defer to agreeing the wording of the Requirement, subject to the Applicant satisfactorily addressing the	
	result of the development	
Solution	The wording of the Requirement will need to be agreed with us pending a resolution of the flood risk issues we	
	have identified and may need to be amended. We will continue to work with the Applicant to address this	
	issue.	
EAREQ-007	: Additional Requirement – Piling	
Document references	Draft DCO, Schedule 2, Requirements, Part 1 Requirements	The Applicant has considered the Environment Agency's proposed Consent Order [APP-021] for piling risk assessments. The CDM 20
Issue	We request the inclusion of a DCO Requirement for piling risk assessments.	accordance with the specific requirements set out in Regulations 4
Impact	This is to secure the completion of piling risk assessments to be agreed with the Environment Agency prior to	Regulations secure the necessary protections sought by the Environment
	commencing any piling activities.	Works Method Statement which will form part of the Second Iteration
Solution	Include a suitably worded Requirement in the DCO.	Requirement 3 of the draft Development Consent Order. Therefore
Comments	Please refer to Appendix 1 – Issue ref. EAGWCL-003.	justification for the Environment Agency's draft requirement.
	<ul> <li>Suggested wording for the piling DCO Requirement (to be agreed):</li> <li>No part of the authorized development may be commenced until a piling risk assessment for that part</li> </ul>	
	has been submitted to and approved by the relevant planning authority in consultation with the	
	Environment Agency.	
	2. Construction works for the authorised development must be carried out in accordance with the	
Beek of Dof	approved piling risk assessment	
BOOK OF REF		
Document references	<u>APP-027</u> – 4.3 Book of Reference (ref. TR010065/APP/4.3, Revision 1, April 2024)	The Applicant notes the clarification regarding land interests of the
Comments	We confirm that the Environment Agency does not have any land interests that fall within the limits of the	
	DCO.	
EAGWCL-00	05: Groundwater and contaminated land - Contamination hotspot at WS46 Note this issue was submitted to t	he Applicant after publication of the Environment Agency's Relevant
as part of the	Applicant's responses to the Relevant Representations].	Annual is 0.0 (Operators in stand Lond Disk Approximent) of the Enviro
Issue	Contamination notspot at WS46 has been identified as localised contamination thought to be from site won material from the demolition of chemical manure factory. Given that this material should not have been	Appendix 9.2 (Contaminated Land Risk Assessment) of the Environ
	deposited at the site, responsibility should be taken for removing it from the site.	
Impact	Where the contamination remains there is a risk of pollution to controlled waters when there is an opportunity	To summarise, elevated concentrations of hydrocarbons were reco
-	to deal with it as part of the DCO.	hexavalent, mercury, and vanadium exceeded the EQS values in le
Solution	We expect the contaminated material to be removed. It should be relatively easy to either remediate it in situ	should be noted that a direct comparison of leachate testing results
	or excavate and remove it from the site for appropriate waste disposal.	conditions. It is considered likely that the source of this contaminate
		the leachate extract from soil confirms that this material is leachabl
	•	•

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ble flood storage for any flood waters that would be <del>35</del>-39% climate change allowance <del>event</del>.

I inclusion of a requirement in the draft Development 015 require a piling risk assessment to be carried out in , 8, 12 and 13. The Applicant is satisfied that these onment Agency without the need for a specific requirement in t Agency will have been consulted on the detailed Piling on Environmental Management Plan in accordance with e, it is the Applicant's view that there is no need or

Interested Party.

Representation however the issue has been responded to

nmental Statement Appendices [APP-164] contains an ters at the WS46 hotspot location.

orded in soil samples and arsenic, chromium, chromium eachate extract from soil samples at the hotspot location. It is with the selected assessment criteria is a conservative ailability of determinants to dissolve under naturally occuring ion is associated with the former glue factory. The results of le, however further delineation GI work identified that the

Environment Agency position	Applicant response
	contamination is isolated and post-GI monitoring recorded that the surrounding ground water or in adjacent surface water samples.
	The revised conceptual site model included in Appendix 9.2 (Conta Statement ES Appendices [APP-164] concluded that the risk to corn has been determined to be Low Risk, on the basis that no excavation location. The proposed works are therefore unlikely to create new of superficial deposits. In addition, surface run-off from the new embat channel, before it reaches the hotspot area, thereby reducing the p addition, the existing dense vegetation at this location will also reduce evapotranspiration and therefore reduce potential for leachate prod Further to this, GS6 within Table 3-2 Record of Environmental Action Management Plan [APP-184] states "the location of the contaminate documented by the Detailed Design Consultant and shared to the F
	The road embankment widening (Work No 56) and access track (W contamination hotspot by designing the widened road within the for need for ground improvement/replacement works within this area.
	If the Applicant was required to remove the contamination at this ar required which has not been assessed as part of the Scheme. Any statutory biodiversity metric calculations. Given the depth of the red excavator would be required to reach that depth. This would therefor removal beyond the proposed area of hotspot excavation to allow for i). Approximately 100 metre-long temporary haul and access road; ii). Turning circle for excavator bucket/arm; iii). Creation of a working area for the temporary stockpiling of non- waste prior to disposal; and iv). At 3m depth, potential excavation support will be required to pre- working area.
	In addition to the habitat destruction and ecological disturbance, ex impacts including increased vehicle movements, transfer of materia virgin material for reuse as haul/access road and importation as ex associated with deep excavation works at this location, notably the stability integrity of the existing A46 embankment.
	To conclude, the Applicant is of the view that the contamination hot waters if left in situ. Therefore, the Applicant proposes to leave the absence of planned excavation or vegetation clearance activities. T the form of controlled waters detailed quantitative risk assessment Management guidance, in relation to the hotspot of contamination i be discussed with the Environment Agency and submitted into the
	Furthermore, since the Applicant is not responsible for the source of to controlled waters, it is deemed appropriate to keep the contamin

Planning Inspectorate Scheme Reference: TR010065 Application Document Reference: TR010065/APP/7.11



metal and hydrocarbon contamination is not present in the

aminated Land Risk Assessment) of the Environmental introlled waters from contamination at the WS46 hotspot area on works, or vegetation clearance are anticipated at this or worsen existing potential contaminant pathways into the inkment will be intercepted by a new surface water drainage otential for leachate generation at the hotspot area. In uce infiltration of incident rainwater through duction and reduce potential mobilisation of soil particles.h ons and Commitments of the First Iteration Environmental tion hotspot at Nether Lock will be recorded and PC. Before construction commences, the PC will install e area."

Vork No 69) have been designed to avoid impacting the otprint of the existing embankment. This has reduced the

rea, vegetation clearance and habitat removal would be vegetation clearance would need to be accounted for in the corded contamination, , it is anticipated that a large long-arm ore require significant vegetation clearance and habitat for:

contaminated soils and for the pre-treatment of hazardous

event collapse, which may require additional plant and

cavation and removal of the hotspot has wider sustainability al from elsewhere on site, potentially excavations of clean cavation backfill. There are also engineering risks potential settlement of the adjacent railway line and slope

tspot within the Order Limits presents a low risk to controlled contamination in situ at the hotspot location due to the The Applicant proposes to undertake further assessment, in (DQRA), in line with the Land Contamination Risk identified in the vicinity of WS46. The completed DQRA will Examination at Deadline 4, if not sooner.

contamination and the risk assessment indicates a low risk ation in situ.