

Wylfa Newydd Project

Statement of Common Ground between Horizon Nuclear Power Wylfa Limited and Natural Resources Wales (NRW)

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1 Introduction

1.1 Status of this SoCG

1.1.1 This Statement of Common Ground (hereafter referred to as the ‘SoCG’) is being submitted to the Examining Authority as an agreed document between both parties.

1.2 Purpose of this document

1.2.1 This SoCG is a ‘live’ document that has been prepared by Horizon Nuclear Power Wylfa Limited (hereafter referred to as ‘Horizon’) and Natural Resources Wales (here after referred to as ‘NRW’). It has been prepared in accordance with the guidance published by the Department of Communities and Local Government (hereafter referred to as ‘DCLG Guidance’)¹ and example SoCG documents provided on the Planning Inspectorate’s website².

1.2.2 The purpose of this SoCG is to set out agreed factual information about the application for development consent has been made by Horizon for the construction and operation of a new nuclear power station at the Wylfa Newydd Development Area (hereafter referred to as ‘WNDA’) together with on and off-site associated development (hereafter referred to as ‘the Wylfa Newydd DCO Project’).

1.2.3 Paragraph 58 of the DCLG Guidance states:

“A statement of common ground is a written statement prepared jointly by the applicant and another party or parties, setting out any matters on which they agree. As well as identifying matters which are not in real dispute, it is also useful if a statement identifies those areas where agreement has not been reached. The statement should include references to show where those matters are dealt with in the written representations or other documentary evidence”

1.2.4 The aim of this SoCG is to therefore provide a clear position of the state and extent of discussions and agreement between Horizon and NRW on matters relating to the Wylfa Newydd Project as at 19th February 2019.

1.2.5 DCLG Guidance recognises and expects that SoCG’s will continue to evolve during the examination period (if deemed necessary through on-going discussions between the parties). Discussions between Horizon and NRW will therefore continue to seek to extend the areas of common ground.

¹ Planning Act 2008: Guidance for the examination of applications for development consent (March 2015) paragraphs 58 – 65 https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/418015/examinations_guidance_final_for_publication.pdf

² <https://infrastructure.planninginspectorate.gov.uk/application-process/example-documents/>

- 1.2.6 The first draft of the SoCG was provided to NRW by Horizon on 27 October 2017 for review and comment. This SoCG has evolved through a series of iterative drafts.
- 1.2.7 This final SoCG has been submitted to the Examining Authority in relation to the application by Horizon under section 37 of the Planning Act 2008 (the Act) for an order granting development consent for the construction of the Wylfa Newydd DCO Project.

2 Overview of Engagement

2.1.1 The preparation of this SoCG has been informed by a programme of discussions between Horizon and NRW. The relevant meetings are summarised below.

Table 2-1 SOCG meetings held between Horizon and NRW

Meeting Date	Attendees	Purpose of Meeting
24 th January 2018	Horizon, Natural Resources Wales, Jacobs	To discuss and agree the intended approach and programme for developing the SOCG.
1 st August 2018	Horizon, Natural Resources Wales, Jacobs	To discuss and identify the issues of concern to NRW where further meetings are required in order to establish common ground.
10 th September 2018	Horizon, Natural Resources Wales, Jacobs, Atkins	To discuss outstanding issues related to the Water Framework Directive and agree the additional work required to establish common ground.
12 th September 2018	Horizon, Natural Resources Wales, Jacobs	To discuss outstanding issues related to Tre'r Gof SSSI and agree the additional work required to establish common ground.
14 th September 2018	Horizon, Natural Resources Wales, Jacobs, Wood	To discuss outstanding issues related to flooding and agree the additional work required to establish common ground.
14 th September 2018	Horizon, Natural Resources Wales, Jacobs	To discuss outstanding issues related to monitoring protected species after translocation and agree the additional work required to establish common ground.
27 th September 2018	Horizon, Natural Resources Wales, Jacobs, Royal Haskoning DHV, RWE	To discuss outstanding issues related to the modelling and water aspects of the Shadow Habitats Regulations Assessment and agree the additional work required to establish common ground.
1 st October 2018	Horizon, Natural Resources Wales, Atkins, Jacobs	To discuss outstanding issues related to the bathing water compliance assessment and agree the additional work required to establish common ground.
17 th October 2018	Horizon, Natural Resources Wales, Royal Haskoning DHV	To discuss outstanding issues related to the birds impacts in the Shadow Habitats Regulations Assessment and agree the additional work required to establish common ground.
19 th December 2018	Horizon, Natural Resources Wales, Jacobs,	To discuss outstanding issues related to the bathing water compliance assessment and present additional work completed.

Meeting Date	Attendees	Purpose of Meeting
15 th January 2019	Horizon, Natural Resources Wales, Royal Haskoning DHV	Teleconference call to discuss and agree actions arising from the issue specific hearings.
4 th February 2019	Horizon Natural Resources Wales	Teleconference call to discuss securing ecological mitigation measures for protected species.
4 th February 2019	Horizon Natural Resources Wales	Meeting to discuss Horizon's revised proposals for benthic habitat compensation proposals, marine INNS, and monitoring and management approach for Esgair Gemlyn.
8 th February 2019	Horizon Natural Resources Wales	Meeting to discuss the Conceptual Site Model for groundwater, predicted impacts on Tre'r Gof SSSI, and mitigation measures during dewatering.

2.1.2 In addition to these meetings Horizon shared the updated version of the draft Wylfa Newydd CoCP on 5th February 2019. This document has informed the current position in this SoCG.

2.1.3 In addition to these discussions, Horizon has engaged with Natural Resources Wales since 2013 through a number of technical meetings to address specific project issues as they have arisen. A list of these meetings is provided below. All of these discussions have helped to inform this SoCG.

Table 2-2 Technical meetings held between Horizon and NRW

Meeting Date	Attendees	Purpose of Meeting
12 th February 2013	Horizon Natural Resources Wales (as CCW and Environment Agency Wales) Isle of Anglesey County Council Marine Management Organisation Cefas Jacobs	<u>Marine Environment</u> Discussions of methodology and feedback on outputs from marine modelling and ecology work completed to date. Discussion of the ongoing marine survey work required.
17 th October 2014	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Groundwater and Surface Water</u> Discussion of historical, on-going and proposed groundwater and surface water monitoring including on-going and proposed data collection.
24 th November 2014	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Noise and Vibration Modelling and Assessment</u> To discuss and collect Regulators' initial comments on Horizon's proposed approach to noise and vibration modelling and assessment to support the EIAs, Environmental Permits and HRAs required

Meeting Date	Attendees	Purpose of Meeting
		for the Wylfa Newydd Project and associated development.
24th November 2014	Horizon Natural Resources Wales Isle of Anglesey County Council AMEC/Wood Jacobs	Air Quality Modelling and Assessment To discuss and collect Regulators' initial comments on Horizon's proposed approach to air quality modelling and assessment to support the EIAs, Environmental Permits and HRAs required for the Wylfa Newydd Project and associated development.
22 nd January 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Marine Environment</u> Update on marine modelling undertaken to date including wave modelling. Discussion of future assessment work planned including marine
4 th March 2015	Horizon Natural Resources Wales Jacobs	<u>Groundwater and Surface Water</u> Discussion of the water environment assessment methodology including surface water and groundwater modelling
11 th March 2015	Horizon Natural Resources Wales Isle of Anglesey County Council	<u>Soils and Geology</u> Discussions are to cover topic scope and interfaces with various subject areas, defining the study area, baseline conditions, assessment criteria and methodologies, and likely mitigation measures. <u>Materials Management</u> Presenting approach to conventional materials and wastes management for the project; SWMP, PWMPs and MMP. <u>Fluvial and Coastal Geomorphology and Water Framework Directive</u> Discuss the existing baseline for the fluvial and coastal geomorphology and Water Framework Directive. Discuss the following key areas: method, local knowledge, NRW policies and the Water Framework Directive. Explanation of the link between coastal geomorphology and marine environment work stream.
2 nd April 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Marine Environment</u> Detailed presentation on marine modelling results and discussion on approach to future marine survey work and modelling.
7 th May 2015	Horizon	To present and discuss the proposed approach to Cumulative Impact

Meeting Date	Attendees	Purpose of Meeting
	Isle of Anglesey County Council Gwynedd Council Conwy Council Natural Resources Wales Magnox Electric Jacobs	Assessment. Views were sought from attendees on both the overall process and the individual stages, including input to the list of external project considered in the assessment.
27 th May 2015	Horizon Isle of Anglesey County Council Jacobs	<u>Public Access and Recreation</u> Discussion of methodology, potential mitigation and enhancement measures that could be employed to mitigate the loss of the PRoW on the Wylfa Newydd Development Area, with particular focus on the Wales Coast Path
3 rd July 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Terrestrial and Freshwater Ecology</u> Discussion on approach to terrestrial ecology mitigation including mitigation proposals
16 th July 2015	Horizon Natural Resources Wales Isle of Anglesey County Council North Wales Wildlife Trust Jacobs	<u>Landscape and Visual</u> Presentation and discussion on draft Landscape and Environmental Masterplan (LEMP) phasing plans
3 rd August 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation Technical Advisory Group (TAG)</u> Inaugural meeting of TAG to advise on development of compensation proposals for potential impacts on Tre'r Gof SSSI
14 th and 25 th September 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Groundwater and Surface Water</u> Conference call with planning liaison team (14 September) and technical experts from NRW (25 September) to discuss the findings of the hydrological investigations completed at Tre'r Gof SSSI and to agree the proposed monitoring regime at and around the feature.
11 th November 2015	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG</u>
12 th February 2016	Horizon	<u>SSSI Compensation TAG</u>

Meeting Date	Attendees	Purpose of Meeting
	Natural Resources Wales Isle of Anglesey County Council Jacobs	
6 th April 2016	Horizon Isle of Anglesey County Council Gwynedd Council Jacobs	<u>Socio-economic</u> Broad discussion on scope, methodology, baseline, progress and outcomes of the socio-economic assessment.
18 th July 2016	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG</u>
27 th October 2016	Jacobs Natural Resources Wales	<u>Air Quality</u> Confirm the approach for selecting critical loads for ecological receptors, including study areas and ecological receptor selection.
14 th December 2016	Horizon Natural Resources Wales Jacobs	<u>Water Framework Directive</u> To discuss the Preliminary WFD Assessment and NRW's comments on PAC2 and to agree a way forward for WFD on the Project.
13 th February 2017	Horizon Natural Resources Wales Isle of Anglesey County Council	<u>Groundwater and Surface Water</u> Provide NRW with details of the hydrological monitoring and assessment of Cae Gwyn SSSI, status of the conceptual model, implications for DCO, and obtain feedback / comments from NRW
23 rd February 2017	Horizon Natural Resources Wales	<u>Water Framework Directive</u> To discuss and agree the approach to WFD (WFD) assessment for the Wylfa Newydd Project.
3 rd March 2017	Horizon Isle of Anglesey County Council Natural Resources Wales Public Health England Public Health Wales Ben Cave Associates Welsh Government Wales Health Impact Assessment Support Unit	<u>Health Impact Assessment</u> Progress update on Wylfa Newydd HIA and role of the Steering Group
16 th March 2017	Horizon	<u>Marine Environment</u>

Meeting Date	Attendees	Purpose of Meeting
	Natural Resources Wales Royal Haskoning Jacobs	To present the baseline for fish and fish-specific studies completed and to summarise the consultation carried out to date. To set out the pathways to effects on fish and discuss the approaches to assessing the effects for EIA, HRA and WFD. To discuss and agree on the relevant fish receptors which will be considered in the various assessments To discuss NRW's comments on reports submitted to date (baseline fish survey report, Lifetable report, Entrapment report, Survivability report).
5 th April 2017	Horizon Natural Resources Wales Jacobs	<u>Water Framework Directive</u> To discuss NRW's comments on the Preliminary WFD Assessment and technical memos. To agree the format of the WFD Compliance Assessment. To discuss engagement with NRW and agree a way forward.
10 th April 2017	Horizon Welsh Government Natural Resources Wales Isle of Anglesey County Council Jacobs	To understand the approach being taken to Cumulative Impact Assessment for the Wylfa Newydd Project, including the methodology being applied and the expected outcomes. The Reasonably Foreseeable Future Projects (RFFP) long-list will be presented and discussed to make sure there are no projects missing. The RFFP short-list will be presented along with the process used for moving from the long-list to the short-list and list of committed development. To understand the approach being taken to EIA for the DCO, including the expected format, content and structure of the ES. This will be a relatively high level discussion which will include a description of some of the key topics covered in the EIA and some key areas of uncertainty.
16 th May 2017	Horizon Natural Resources Wales	<u>Air Quality and Noise</u> To review NRW comments and HNP responses
19 th May 2017	Horizon Natural Resources Wales Jacobs Dwr Cymru Welsh Water	To discuss water supply for construction and operation of the site and to agree how and where any environmental effects should be assessed. To discuss proposals for discharge of foul water.
23 rd May 2017	Horizon Natural Resources Wales	<u>Marine Environment</u>

Meeting Date	Attendees	Purpose of Meeting
	Jacobs RHDV	Presentation and discussion of fish assessments relating to entrapment, underwater noise and temperature
25 th May 2017	Horizon Natural Resources Wales Jacobs Independent	<u>Water Framework Directive</u> To continue discussions on WFD related topics and to present the approach to assessment.
14 th June 2017	Horizon Natural Resources Wales Jacobs Isle of Anglesey County Council (EH) GeoMon	<u>Soils and Geology</u> To discuss the mitigation for the Porth Wnal Dolerite RIGS and discuss updates to the design.
16 th June 2017	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs Public Health Wales Ben Cave Associates	<u>Air Quality / Health Impact Assessment</u> To present approaches to non-threshold effects for some pollutants in the assessment of air quality.
20 th June 2017	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>Water Framework Directive</u> To provide an update on WFD related activities and to hear NRW's feedback on the approach
28 th June 2017	Horizon Natural Resources Wales AMEC Jacobs	<u>Groundwater and Surface Water</u> To present the latest groundwater modelling and provide an opportunity for questions. To review the context of the WFD Groundwater Compliance Assessment, taking into account findings of the model.
11th July 2017	Horizon Natural Resources Wales Isle of Anglesey County Council AMEC/Wood Jacobs	Air Quality To discuss draft baseline air quality report and updated air quality modelling and assessment methodology report. Discuss relevant review comments received from NRW on these documents. Discuss any initial comments on the revised existing deposition and critical loads report Review and discuss latest modelling and assessment results (construction dust, construction plant/machinery emissions, operational combustion plant and project wide traffic emissions).
11 th September 2017	Horizon Natural Resources Wales	<u>SSSI Compensation TAG</u>

Meeting Date	Attendees	Purpose of Meeting
	Isle of Anglesey County Council Jacobs	
10 th November 2017	Horizon Natural Resource Wales	<u>Level 2 meeting with NRW</u>
15 th November 2017	Horizon Natural Resource Wales	<u>SPA Workshop</u>
16 th November 2017	Horizon Natural Resource Wales	<u>Construction water discharge to Nant Cemlyn</u>
22 nd November 2017	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG</u>
5 th December 2017	Horizon Natural Resource Wales	<u>Environmental Workshop</u>
5 th December 2017	Horizon Natural Resource Wales	<u>Marine Effects Technical Workshop</u>
12 th December 2017	Horizon Natural Resource Wales	<u>Wylfa site ecological effects technical workshop</u>
13 th December 2017	Horizon Natural Resource Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG & HRA</u>
21 st June 2018	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG</u>
30 th October 2018	Horizon Natural Resources Wales Isle of Anglesey County Council Jacobs	<u>SSSI Compensation TAG</u>

3 Project Overview

3.1 Description of development

The Wylfa Newydd Project

3.1.1 The Wylfa Newydd Project includes:

The Enabling Works

- 3.1.2 The Enabling Works comprise the Site Preparation and Clearance Proposals (SPC Proposals) and the A5025 On-line Highway Improvements.
- 3.1.3 Horizon has submitted applications for planning permission for the Enabling Works under the Town and Country Planning Act 1990 to the Isle of Anglesey County Council (IACC) as local planning authority. The On-line Highway Improvements were granted planning permission on 13th July 2018 (ref: 27C106E/FR/ECON). The planning authority resolved to grant the SPC application subject to the signing of a legal agreement on the 5th September 2018. The Welsh Government wrote to the IACC on 13 December 2018 directing that the SPC application should be determined by the Welsh Ministers (referred to as a call-in). Horizon has now written to IACC and Welsh Government to confirm that it is withdrawing the SPC application and that all works included within the SPC application have also been applied for as part of the DCO application.
- 3.1.4 In order to maintain flexibility in the consenting process for the Wylfa Newydd DCO Project, the SPC Proposals have also been included in the DCO application. The A5025 On-line Highway Improvements are not part of the DCO application.

The Wylfa Newydd DCO Project

- 3.1.5 The Wylfa Newydd DCO Project comprises those parts of the Wylfa Newydd Project which are to be consented by a DCO, namely:

The Nationally Significant Infrastructure Project (NSIP)

- **Power Station:** the proposed new nuclear power station, including two UK Advanced Boiling Water Reactors, the Cooling Water System, supporting facilities, buildings, plant and structures, radioactive waste and spent fuel storage buildings and the Grid Connection;
- **Other on-site development:** including landscape works and planting, drainage, surface water management systems, public access works including temporary and permanent closures and diversions of public rights of way, new Power Station Access Road and internal site roads, car parking, construction compounds and temporary parking areas, laydown areas, working areas and temporary works and structures, temporary construction viewing area, diversion of utilities, perimeter and construction fencing, and electricity connections;

- **Marine works comprising:**
 - Permanent Marine Works: the Cooling Water System, the Marine Off-loading Facility, breakwater structures, shore protection works, surface water drainage outfalls, waste water effluent outfall (and associated drainage of surface water and waste water effluent to the sea), fish recovery and return system, fish deterrent system, navigation aids and Dredging;
 - Temporary Marine Works: temporary cofferdams, a temporary access ramp, temporary navigation aids, temporary outfalls and a temporary barge berth;
- **Off-site Power Station Facilities:** comprising the Alternative Emergency Control Centre (AECC), Environmental Survey Laboratory (ESL) and a Mobile Emergency Equipment Garage (MEEG); and

Associated Development

- the Site Campus within the Wylfa Newydd Development Area;
- temporary Park and Ride facility at Dalar Hir for construction workers (Park and Ride);
- temporary Logistics Centre at Parc Cybi (Logistics Centre);
- the A5025 Off-line Highway Improvements;
- wetland habitat creation and enhancement works as compensation for any potential impacts on the Tre'r Gof Site of Special Scientific Interest (SSSI) at the following sites:
 - Tŷ Du;
 - Cors Gwawr;
 - Cae Canol-dydd

3.1.6 The Power Station will be operational for approximately 60 years after which it will be decommissioned. The buildings will be removed from the site and all spent fuel and radioactive waste managed. The end state of the site will be agreed with the regulators.

Licensable Marine Activities

3.1.7 The Licensable Marine Activities comprise the Marine Works and the Deep Disposal (i.e. the disposal of material from dredging at the Disposal Site at Holyhead North). The Licensable Marine Activities will be consented under a Marine Licence; however, the Marine Works would also be consented under the DCO.

3.1.8 A more detailed description of development is contained at Chapter 4 of the Planning Statement (APP-406).

3.2 Consultation with NRW

- 3.2.1 Horizon has undertaken engagement with NRW throughout the pre-application period.
- 3.2.2 Full details are provided in the Consultation Report (APP-037).
- 3.2.3 Horizon has an overarching engagement framework in place and although not formally agreed with NRW, Officers have attended meetings at the different levels as illustrated in Figure 3-1 below:

Figure 3-1 Wylfa Newydd Engagement Framework



- 3.2.4 Following Horizon's Stage Two Pre-Application Consultation, Horizon set up a series of Level 4 technical meetings on specific issues.
- 3.2.5 DCLG Guidance recognises that the topics on which agreement might be reached in any particular instance (or those areas where agreement might not be reached) will depend on the matters at issue and the circumstances of the case.
- 3.2.6 Horizon shared with NRW, amongst other statutory consultees, the draft application documents to support the DCO application that they requested in September and October 2017. Specifically, NRW were provided with copies of the following documents:
 - Relevant Environmental Statement chapters and appendices
 - Shadow Habitat Regulations Assessment
 - Water Framework Directive Compliance Assessment
 - Code of Construction Practice and sub-CoCPs
 - Code of Operational Practice
 - Landscape and Habitat Management Strategy

3.2.7 NRW provided comments on these documents and the comments made were taken into account in the development of final documents to support the DCO. These documents also served to develop, and inform on-going discussions associated with, this SoCG.

4 Current Position

- 4.1.1 The following schedule sets out the position of NRW alongside Horizon's position following issue and review of the DCO application.
- 4.1.2 It sets out matters by topic area and provides an indication of whether the issue is agreed (green), not agreed (red) or ongoing (amber).
- 4.1.3 For ongoing issues, the intention is to continue dialogue on the specific issue to try to reach agreement.
- 4.1.4 The SoCG table below includes references to NRW's Written Representation, to assist the Examining Authority. For clarity, Horizon has not had sight of these at the time of submission of this draft SoCG.
- 4.1.5 This final SOCG is submitted at Deadline 6 and reflects the positions of NRW and Horizon at the point of submission. It is acknowledged that further material may be submitted to the Examination after Deadline 6 which could alter the positions stated in this SOCG.

Table 4-1 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume C – Project Wide Effects

Environmental Statement Volume C – Project Wide Effects								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Air Quality								
NRW1	Baseline / Methodology / Modelling	Protected sites (SAC / SPA / SSSI)	APP-091 6.3.4 ES Volume C – Project-wide effects C4 – Air Quality Effects of Traffic	Agreed	It is agreed that sufficient information is provided in the ES and supporting information to inform the assessment of impact for air quality on protected sites.		N / A	No further action
NRW2	Assessment / Mitigation	Protected sites (SAC / SPA / SSSI)	APP-091 6.3.4 ES Volume C – Project-wide effects C4 – Air Quality Effects of Traffic	Agreed	It is agreed that protected sites (including Malltraeth Marsh SSSI, Coedydd Afon Menai SSSI, and Beddmanarch-Cymyran SSSI) will not be damaged by the emissions from construction or operational traffic.		N / A	No further action
Waste								
NRW3	Baseline / Methodology / Modelling	Waste generation	APP-093 6.3.6 ES Volume C – Project-wide Effects C6 – Waste and Materials Management REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	Detailed information is not yet available in ES chapter C6 to demonstrate how construction generated waste will be managed. It would be appropriate for further detail on waste management methodologies to be set out in a Site Waste Management Plan (SWMP) and governed through the Code of Construction Practice (CoCP) which should be approved by the discharging authority.	Horizon's proposals for managing waste during the construction phase are set out in Section 9 of the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) submitted at Deadline 2.	N / A	No further action
NRW4	Assessment	Waste generation	APP-093 6.3.6 ES Volume C – Project-wide Effects C6 – Waste and Materials Management REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	The assessment of available waste management capacity will need to be updated prior to and throughout the construction phase, to ensure that appropriate decisions on waste management routes are taken for the duration of the scheme. The principles of the Waste Hierarchy will need to be applied at all times. The above will need to be set out in a Site Waste Management Plan within the CoCP.	Horizon's proposals for managing waste during the construction phase are set out in Section 9 of the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)). Horizon's position is that the amended principles in the CoCP submitted at Deadline 5 provide NRW with sufficient comfort that the waste hierarchy has been complied with. The CoCP requires Horizon to prepare a SWMP in accordance with these principles.	N / A	No further action

Environmental Statement Volume C – Project Wide Effects								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW5	Mitigation	Waste generation	APP-093 6.3.6 ES Volume C – Project-wide Effects C6 – Waste and Materials Management REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	Detailed waste management methodologies should be set out in the Site Waste Management Plan (SWMP) which will be governed through the Code of Construction Practice (CoCP) and the Main Site Sub-CoCP which will need to be approved by the discharging authority.	Horizon's proposals for managing waste during the construction phase are set out in Section 9 of the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) submitted at Deadline 2. Horizon's position is that the amended principles in the CoCP submitted at Deadline 5 provide NRW with sufficient comfort that the waste hierarchy has been complied with. The CoCP requires Horizon to prepare a SWMP in accordance with these principles	N / A	No further action

Table 4-2 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume D – Main Site

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Air Quality								
NRW6	Baseline / Methodology / Modelling	Construction – protected sites (SAC / SPA / SSSI)	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality	Agreed	It is agreed that sufficient information is provided in the ES and supporting information to inform the assessment of impact on protected sites during construction.		N / A	No further Action
NRW7	Baseline / Methodology / Modelling	Operational combustion (back-up generators) – protected sites (SAC / SPA / SSSI)	APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality APP-141 6.4.22 ES Volume D – WNDA Development App D5-3 – Main Site Operational Dispersion – EIA – Dispersion Modelling Report of the Emissions to Air Arising from Operation Combustion Plant	Ongoing	NRW do not agree that the modelling has considered the worst-case scenario. Further information and / or modelling is required to demonstrate whether the modelled outputs represent the worst-case scenario. NRW consider that the impacts of the Operational Combustion emissions will be subject to an Environmental Permit and may be more appropriately assessed under that regime.	On 13 November 2018, Horizon issued a response to the Schedule 5 notice for additional information for the Environmental Permit application issued by NRW on 17 October 2018. The response aimed to address NRW's concerns regarding modelling of the worst-case scenario for operational combustion emissions. NRW considered the response and issued an email on 8 January 2019 requesting further quantitative sensitivity analysis to demonstrate that the modelled setup represents the worst-case scenario. Horizon subsequently issued a note to NRW (24 January 2019) proposing the scope of a focussed quantitative sensitivity analysis to be undertaken and this was accepted by NRW (8 February 2019). Although this issue is being addressed via the Environmental Permit regime, it also applies to the DCO application.	N / A	Horizon to undertake sensitivity analysis and issue to NRW.

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW8	Assessment	Construction dust – protected sites (SAC / SPA / SSSI)	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP REP2-033 – Deadline 2 submission – 8.8 Marine Works sub-CoCP	Ongoing	NRW consider that detailed monitoring and mitigation proposals for dust generated during the construction works should be approved by the discharging authority, in consultation with NRW. NRW consider that construction dust can be managed to avoid adverse effects on protected sites.	Horizon has set out the proposals for monitoring and mitigating dust during construction in section 7 of the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) and the Main Power Station Site sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)). Since the submission of the DCO application, Horizon has shared proposals with IACC and NRW to provide further detail in respect of the following: <ul style="list-style-type: none"> Number, location and type of monitoring stations; Monitoring data management system and web access to data; Monitoring thresholds to act as trigger levels; Further details of the response if a trigger level is exceeded; Further details on how the Ecological Clerk of Works uses air quality data; and Compliance targets. These proposals were included in Section 7 of the updated Wylfa Newydd CoCP, Main Power Station Site sub-CoCP and Marine Works sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)). These matters are now therefore submitted for approval as part of the DCO application rather than being submitted for approval by IACC in consultation with NRW at a later date. The exception to this is the detail in respect of the micro-siting of the monitoring stations which will be submitted for approval by IACC at a later date.	N / A	NRW to confirm that dust control proposals are acceptable.
NRW9	Assessment	Construction emissions – Cemlyn Bay SSSI / SAC	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality REP3-052 – Deadline 3 submission – Air Quality Mitigation Quantification Report	Agreed	NRW agree with the conclusions of the Shadow HRA and ES that emissions from construction plant and machinery will not have adverse effects on site integrity of Cemlyn Bay SAC / SSSI.		N / A	No further action

Environmental Statement Volume D – Main Site									
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue	
NRW10	Assessment / mitigation	Construction emissions – Tre'r Gof SSSI	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP REP2-033 – Deadline 2 submission – 8.7 Marine Works sub-CoCP REP3-052 – Deadline 3 submission – Air Quality Mitigation Quantification Report	Ongoing	NRW consider that detailed mitigation will need to be approved by the discharging authority, in consultation with NRW, to ensure that the emissions from construction plant and machinery will not damage the SSSI features.	Horizon have set out the proposed detailed mitigation measures to reduce construction plant and marine vessel emissions during construction in section 7 of the Wylfa Newydd Code of Construction Practice, Main Power Station Site sub-CoCP and Marine Works sub-CoCP (updated versions of which were submitted at Deadline 5 (12 February 2019)). A revised assessment was subsequently submitted to the Examining Authority at Deadline 3 (REP3-052). Other mitigation including botanical monitoring and a regime of annual cutting is set out in section 11 of the Main Power Station Site sub-CoCP and Marine Works sub-CoCP.	N / A	NRW to review amended CoCP and sub-CoCPs	
NRW11	Assessment	Construction emissions – Cae Gwyn SSSI	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP REP2-033 – Deadline 2 submission – 8.7 Marine Works sub-CoCP REP3-052 - Deadline 3 Submission - Air Quality Mitigation Quantification Report	Not Agreed	NRW does not agree with the conclusion of the ES that habitat changes as a result of the increase in nitrogen deposition would not constitute damage to the SSSI features, specifically the lawn of sensitive <i>Sphagnum</i> mosses in the southern basin of the SSSI. It is difficult to envisage any on-site mitigation and one must therefore rely on mitigation to reduce the problem at source, whether from the development itself or other background sources of nitrogen pollution. The Secretary of State will need to recognise and weigh the possible damage to the SSSI in its determination of the project.	Horizon has committed to additional mitigation to reduce the emissions of NOx from construction plant and marine vessels to as low as reasonably practicable. This will act to reduce adverse air quality effects at all ecological receptors and was secured in the revised Main Power Station Site sub-CoCP and Marine Works sub-CoCP(updated versions of which were submitted at Deadline 5 (12 February 2019)). A revised assessment was subsequently submitted to the Examining Authority at Deadline 3 (REP3-052). The revised air quality assessment (REP3-052) screens out Cae Gwyn SSSI from requiring further ecological assessment in all aspects except nitrogen deposition, which is only slightly above the criteria for requiring further consideration during construction year 2 (peak earthworks and marine works). The change in air quality is predicted to lead to a very small measurable change in the interest features and quality of the SSSI. This is considered to represent a minor adverse effect for this short period of slightly higher nitrogen deposition. Other mitigation includes continuous monitoring of NOx (and monthly dust deposition monitoring) at a location close to Cae Gwyn SSSI, with oversight of the monitoring data by the Ecological Clerk of Works.	N / A	No further action	
NRW12	Assessment	Construction – other protected sites (SAC / SPA / Ramsar / SSSI)	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality	Agreed	It is agreed, except in respect of Cae Gwyn as noted in SOCG issue NRW11, that the main site construction emissions will not have adverse effects on protected sites.			N / A	No further action
NRW13	Assessment	Operational (back-up generators) – protected sites	APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality	Ongoing	In view of SOCG issue NRW7 in relation to modelling of the operational combustion emissions, NRW is not in agreement with the predicted emissions outlined in the ES and	As per response to NRW7, Horizon issued a response on 13 November 2018 to the Schedule 5 notice for additional information for the Environmental Permit application issued by NRW on 17 October 2018. The response aimed to	N / A	Horizon to undertake sensitivity analysis and issue to NRW.	

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
		(SAC / SPA / SSSI)	APP-141 6.4.22 ES Volume D – WNDA Development App D5-3 – Main Site Operational Dispersion – EIA – Dispersion Modelling Report of the Emissions to Air Arising from Operation Combustion Plant	Yellow	<p>Shadow HRA. NRW is therefore not in agreement with the conclusions.</p> <p>NRW consider that the impacts of the Operational Combustion emissions will be subject to an Environmental Permit and may be more appropriately assessed under that regime.</p>	<p>address NRW's concerns regarding modelling of the worst-case scenario for operational combustion emissions. NRW considered the response and issued an email on 8 January 2019 requesting further quantitative sensitivity analysis to demonstrate that the modelled setup represents the worst-case scenario. Horizon subsequently issued a note to NRW (24 January 2019) proposing the scope of a focussed quantitative sensitivity analysis to be undertaken and this was accepted by NRW (8 February 2019).</p> <p>Although this is being addressed via the Environmental Permit regime, it also applies to the DCO application.</p>		
NRW14	Mitigation	Construction dust – protected sites (SAC / SPA / SSSI)	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Ongoing	<p>NRW consider that detailed dust mitigation measures will need to be set out in the Main Power Station Site Sub-CoCPs which should be approved by the discharging authority in consultation with NRW.</p>	<p>Horizon set out the proposals for monitoring and mitigating dust during construction in Section 7 of the Wylfa Newydd Code of Construction Practice (APP-414), Main Power Station Site sub-CoCP (APP-415) and Marine Works sub-CoCP (APP-416).</p> <p>Since the submission of the DCO application, Horizon has shared proposals with IACC and NRW to provide further detail in respect of the following:</p> <ul style="list-style-type: none"> • Number, location and type of monitoring stations; • Monitoring data management system and web access to data; • Monitoring thresholds to act as trigger levels; • Further details of the response if a trigger level is exceeded; • Further details on how the Ecological Clerk of Works uses air quality data; and • Compliance targets. <p>These proposals were included in Section 7 of the updated Wylfa Newydd CoCP, Main Power Station Site sub-CoCP and Marine Works sub-CoCP that were submitted at Deadline 2 (updated versions of which were submitted at Deadline 5 (12 February 2019)). These matters are now therefore submitted for approval as part of the DCO application rather than being submitted for approval by IACC in consultation with NRW at a later date. The exception to this is the detail in respect of the micro-siting of the monitoring stations which will be submitted for approval by IACC at a later date.</p>	N / A	NRW to review amended CoCP and sub-CoCPs

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW16	Mitigation	Construction emissions – Cae Gwyn SSSI	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology REP3-052 Deadline 3 Submission - Air Quality Mitigation Quantification Report	Not Agreed	<p>In view of the nature of the SSSI features and underlying hydrogeology, it is unlikely that mitigation measures at the SSSI (e.g. vegetation cutting) can feasibly mitigate the predicted impacts. Note that the Southern basin which is most vulnerable to nutrient pollution is not amenable to harvesting.</p> <p>It is difficult to envisage any on-site mitigation which would address this problem and one must therefore rely on mitigation to reduce the problem at source, whether from the development itself or other background sources of nitrogen pollution.</p> <p>The Secretary of State will need to recognise and weigh the possible damage to the SSSI in its determination of the project.</p>	<p>For air quality effects on Cae Gwyn SSSI please see SOCG issue NRW11 above.</p>	N / A	No further action
Tre'r Gof SSSI								
NRW17	Assessment	Air quality effects on Tre'r Gof SSSI	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-124 6.4.5 ES Volume D – WNDA Development D5 – Air Quality	Agreed	For air quality effects on Tre'r Gof SSSI please see SOCG issues NRW8 and NRW10 above in the Air Quality section		N / A	No further action
NRW18	Baseline / Methodology / Modelling	Baseline hydrological and hydrogeological information – Conceptual Site Model	APP-158 6.4.30 ES Volume D – WNDA Development App D8-5 – Tre'r Gof Hydroecological Assessment Environmental Statement Addendum, Chapter 5.7 Surface and Groundwater Appendix D8-A - Change Log to APP-127, Volume D – WNDA Development D8 – Surface Water and Groundwater Appendix D8-5-A - Change Log to APP-158, Tre'r Gof Hydroecological Assessment, App D8-5. Appendix D8-3-A - Change Log to APP-147, Groundwater Baseline Report App D8-3.	Ongoing	<p>NRW do not agree that sufficient baseline information is available to inform the modelling and assessment of impact. NRW do not agree that the Conceptual Site Model produced is sufficient to undertake meaningful assessment of risks to the SSSI from dewatering. We welcome acknowledgement in NRW19 of the importance of groundwater contribution to the site however.</p> <p>We advise that available data is re-examined to refine baseline understanding, and if necessary augmented, to the extent required to inform monitoring and mitigation of the potential effects of dewatering activities at the site, both during construction and operation.</p> <p>Please see section 7.13 of NRW's Written Representations.</p> <p>NRW will review the additional information submitted at Deadlines 5 and 6</p>	<p>Horizon have submitted further information at Deadlines 5 and 6 in the ES Addendum and updated CoCP and sub-CoCPs. This brings Horizon's Conceptual Site Model into alignment with NRW's interpretation of the data and acknowledges for the potential for significant adverse effects via the groundwater dewatering pathway. A meeting was held on the 8th February to discuss Horizon's updated position and general agreement was reached pending NRW's review of the revised documents and mitigation proposals.</p>	<p>Detailed mitigation to be secured through the Abstraction Licence and a Tre'r Gof SSSI Monitoring and Mitigation Scheme</p>	<p>NRW to review revised documents.</p>

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW19	Assessment	Damage to SSSI features	APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater Environmental Statement Addendum, Chapter 5.7 Surface and Groundwater Appendix D8-A - Change Log to APP-127, Volume D – WNDA Development D8 – Surface Water and Groundwater Appendix D8-5-A - Change Log to APP-158, Tre'r Gof Hydroecological Assessment, App D8-5. Appendix D8-3-A - Change Log to APP-147, Groundwater Baseline Report App D8-3. DL5 Main Power Station Site sub-CoCP [DL Ref] DL5 ref Construction Method Statement	Ongoing	NRW agree with the conclusion in the ES that there may be significant effects on Tre'r Gof SSSI. Impacts on the SSSI include impacts on water quantity (changes in catchment) and water quality (run-off from mounds and changes in drainage). NRW consider that dewatering has the potential to damage the SSSI interest. We welcome recognition that groundwater provides critical support to the SSSI and the stated re-assessment of the potential impacts of dewatering on the site. Please see section 7.13 in NRW's Written Representations. NRW will review the additional information submitted at Deadlines 5 and 6	As described in Chapter D8 of the Environmental Statement (APP-127, paragraphs 8.5.53 to 8.5.56), Horizon's modelling predicts a maximum drawdown at Tre'r Gof compared to baseline from dewatering of the Power Station site of up to 0.51m to 0.88m, for the wet and dry periods respectively. This is at its greatest extent during the construction period. Post construction, during the long-term operation of the Power Station, the model predicts that there is only minor drawdown on Tre'r Gof. Horizon has assessed this as a minor adverse dewatering impact. The magnitude of change of the construction works on bedrock groundwater inputs to streams that flow into the high value Tre'r Gof SSSI is considered to be small with an overall minor adverse effect, meaning it is not significant. The key area where interpretation of significant impact differs between Horizon and NRW is the importance of direct bedrock groundwater influence on the qualifying interests of Tre'r Gof SSSI. As reported in the ES Addendum and Appendices, the effects of dewatering have been re-assessed in light of the changes to the Tre'r Gof conceptual model. The revised assessment of impacts on groundwater levels and flows in the vicinity of Tre'r Gof SSSI from construction dewatering of the main excavation and the cooling water tunnels remains moderate adverse prior to the application of agreed additional mitigation. With the secured embedded and additional mitigation, the revised residual assessment would be minor adverse.	Detailed mitigation to be secured through the Abstraction Licence and a Tre'r Gof SSSI Monitoring and Mitigation Scheme	NRW to review information submitted at Deadline 5 and 6.
NRW20	Mitigation	Damage to SSSI features	APP-128 6.4.9 ES Volume D – WNDA Development APP-128 D9 – Terrestrial and Freshwater Ecology APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP DL5 Main Power Station Site sub-CoCP DL5 ref Construction Method Statement	Ongoing	NRW do not agree that all reasonable and feasible mitigation have been considered to mitigate the predicted impacts on Tre'r Gof SSSI. We welcome proposals for monitoring and mitigation of risks to groundwater supply from activities on site, including dewatering. NRW will review the additional information submitted at Deadlines 5 and 6	Ultimately the abstraction licence application and component hydrogeological impact assessment (HIA), which will include a dewatering monitoring and mitigation strategy, will govern monitoring and mitigation of dewatering on Tre'r Gof SSSI. However, as the abstraction licence has not yet been submitted, and in response to NRW representations [REP4-039] and in agreement with their response to written question 2.0.19 [REP2-325] on NRW suggested direct mitigation measures to protect the SSSI, Horizon have made provision for monitoring and mitigation of groundwater around Tre'r Gof should there be any change in groundwater levels due to dewatering. These are detailed in the ES Addendum 5.7 Groundwater [], and secured in the Construction Method Statement for embedded mitigation for the cooling water tunnels which will be lined post construction, and within the revised Main Power Station Site sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)) Section 10.4 for additional mitigation.	Detailed mitigation to be secured through the Abstraction Licence and a Tre'r Gof SSSI Monitoring and Mitigation Scheme	NRW to review information submitted at Deadline 5 and 6.

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Tre'r Gof SSSI Compensation								
NRW21	Baseline / Methodology / Modelling	Fen creation and enhancement	APP-190 6.4.56 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume I APP-191 6.4.57 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume II	Ongoing	<p>NRW do not agree, in the absence of sufficient and robust baseline hydrological and hydrogeological information, that there is sufficient information to inform the preparation and design of fen habitat creation.</p> <p>No hydrological baseline information for the Cors Gwawr and Cae Canol-dydd compensation sites is provided in the ES; however, this information is critical in informing the likely success of the compensation.</p> <p>NRW will review the additional information submitted at Deadline 6</p>	<p>Due to land access no baseline information was available for inclusion in the DCO application when it was submitted. Baseline hydrological and hydrogeological monitoring has since been installed at the Cors Gwawr and Cae Canol-dydd SSSI compensation sites and data is currently being collected. The results will be shared with NRW and the DCO examination at Deadline 6. The outline design of the compensation fen habitat is based on detailed vegetation surveys and preliminary soil and hydrology surveys. The outline design will be refined as further detailed soil and hydrology data become available to ensure the schemes are deliverable.</p>	N / A	Baseline hydrological and hydrogeological monitoring data from the Cors Gwawr and Cae Canol-dydd SSSI compensation sites.
NRW22	Assessment	Fen creation and enhancement	APP-190 6.4.56 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume I APP-191 6.4.57 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume II	Ongoing	<p>NRW do not agree, based on the available information, that it can be concluded that the fen habitat creation works will deliver sufficient compensation in terms of habitat quality (type of fen) and quantity (extent of fen).</p> <p>Please see section 7.14 in NRW's Written Representations.</p> <p>NRW will review the additional information submitted at Deadline 6</p>	<p>Initial hydrogeological data has been shared with NRW. Whilst it is acknowledged that it is insufficient on its own to conclude that the full extent of the fen habitat creation can be delivered, it indicates that the sites are suitable for fen habitat creation. The ongoing monitoring data will be used to inform the detailed design to maximise the amount of fen habitat that can be created. Horizon is confident that, with additional data informing the application of a gradual, phased, adaptive approach to the design and implementation of the compensation works, the proposals will result in the establishment of high quality habitat to adequately compensate for the predicted effects on Tre'r Gof SSSI. Discussions with NRW will continue on the emerging detailed design.</p>	N / A	Baseline hydrological and hydrogeological monitoring data from the Cors Gwawr and Cae Canol-dydd SSSI compensation sites.
NRW23	Mitigation	Fen creation and enhancement	APP-190 6.4.56 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume I APP-191 6.4.57 ES Volume D – WNDA Development App D9-23 – SSSI Compensation Strategy – Volume II REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Agreed	<p>It is agreed that there will need to be an adaptive management strategy (paragraph 11.7.2) (an updated version of which was submitted at Deadline 5 (12 February 2019)) focussed on delivering the agreed quantity and quality of compensation, given the uncertainties inherent in habitat creation schemes.</p>			N / A No further action

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW24	Baseline / Modelling	Environmental impacts of fen creation works – Flood Risk	APP-137 6.4.18 ES Volume D - WNDA Development App D1-2 Ecological Compensation Sites: Assessment of Environmental Effects	Ongoing	NRW require a backwater analysis of the SSSI compensation sites to be undertaken, prior to commencement of construction, to demonstrate that no third party land will be subject to an increase in flood risk. NRW acknowledge that there is currently insufficient data to undertake the backwater analysis so a commitment to undertake the assessment must be secured in the DCO. It must be demonstrated that the proposals would not increase flood risk to 3 rd parties i.e. and would be compliant with TAN15	Horizon have undertaken a Flood Consequences Assessment for the Ecological Compensation Sites which forms Annex 2 of APP-137. Paragraph 1.12.67 states that an adaptive management approach would be followed such that there would be no detrimental change to flood risk to the Corsydd Mon SAC or the Cors Bodeilio SSSI (also a component of the Corsydd Mon SAC). These are the only two receptors at risk of flooding from the Ecological Compensation Sites. The backwater analysis will be required to inform the detailed design of the SSSI compensation site so will be included in the associated Landscape and Habitat Management Schemes. These documents will need to be approved by IACC prior to commencement of the compensation works, in accordance with DCO Requirements ECS2 and ECS3 respectively.	N / A	NRW to confirm backwater analysis can be undertaken as part of the Landscape and Habitat Management Scheme.
NRW24 a	Mitigation	Environmental impacts of fen creation works – protected sites	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Ongoing	Top soil stripping has the potential to generate increased suspended sediments in adjacent watercourses. Parts of the proposed fen creation are upstream of Caeau Talwrn SSSI, Cors Bodeilio SSSI and Corsydd Môn / Anglesey Fens SAC. In view of the nature of the watercourses passing through these sites, NRW advise that, as long as detailed pollution prevention measures are adhered to the SSSIs/SAC will not be adversely affected but these will need to be agreed with NRW prior to commencement of works.	Pollution prevention measures for the Ecological Compensation Sites are described in Section 10 of the overarching Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)). These include a commitment to comply with industry guidance, such as Environment Agency PPGs/GPPs and relevant CIRIA guidance publications. The construction environmental management plans prepared by the contractor(s) delivering the compensation works will demonstrate to Horizon how works will comply with the guidance secured in the Wylfa Newydd Code of Construction Practice , sufficient to ensure that nearby designated sites would not be adversely affected by the proposed compensation works.	N / A	NRW to review REP2-031
NRW24 b	Baseline	Environmental impacts of fen creation works – protected species	REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Ongoing	European Protected Species and nationally protected species may be affected by the fen creation and restoration works but protected species surveys have not been undertaken on site. NRW require that baseline surveys, along with any necessary mitigation and/or compensation measures, should be undertaken prior to works commencing on site. NRW will review the additional information submitted at Deadline 6.	Horizon has undertaken extended Phase 1 Habitat Survey (including great crested newt eDNA survey, ground level tree assessment for bat roosts, riparian mammal survey and red squirrel survey) to assess suitability of habitats for protected species and determine presence / likely absence, where possible. The survey reports will be submitted to the DCO examination at Deadline 6 as part of the ES Addendum.	N / A	NRW to review survey reports after Deadline 6
NRW24 c	Mitigation	Environmental impacts of fen creation works - biosecurity	REP2-031 Deadline 2 Submission - 8.6 Wylfa Newydd Code of Construction Practice	Ongoing	In advance of works commencing on site, a biosecurity risk assessment will need to be set out in a detailed Sub-CoCP and approved by the discharging authority (in consultation with NRW) as a DCO Requirement. NRW will review the information submitted for Deadline 5	As set out in the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)), Horizon has committed to the preparation of biosecurity risk assessments to cover all its activities.	N / A	NRW to confirm that REP2-031 satisfies concern.

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW25	Assessment / mitigation	Environmental impacts of fen creation works	REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Not Agreed	NRW consider that impacts on environmental receptors, through agreement of a detailed Sub-CoCP, to be approved by the discharging authority in consultation with NRW, can be ruled out.	Horizon considers that the proposed mitigation measures for the Ecological Compensation Sites, secured in section 11.7 of the Main Power Station Site sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient. Amended versions of these documents have been submitted at Deadline 2.	N / A	No further actions required
Cae Gwyn SSSI								
NRW27	Assessment	Air quality effects	N / A	Ongoing	For air quality effects on Cae Gwyn SSSI please see SOCG issues NRW11 and NRW16 above in the Air Quality section		N / A	Please see actions for NRW 11 and NRW16
NRW28	Baseline / Methodology / Modelling	Impacts on water quality and water quantity	APP-159 6.4.31 ES Volume D – WNDA Development App D8-6 – Cae Gwyn Hydroecological Assessment REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Ongoing	NRW do not agree with the Conceptual Site Model undertaken for Cae Gwyn SSSI. The baseline data for Cae Gwyn is insufficient and, as a result, the Conceptual Site Model is flawed. NRW is in general agreement with the groundwater modelling undertaken. However, it should be noted that the groundwater model is appropriate on a regional scale only. Despite the above disagreement on the CSM, NRW considers that the risk of impact to Cae Gwyn is low. Please see section 7.15 in NRW's Written Representations	Groundwater level data and water quality sampling of surface water and shallow groundwater were carried out for several years in two shallow/weathered bedrock groundwater monitoring boreholes installed within the vicinity of Cae Gwyn SSSI, in piezometers installed into the peat and soils within the four basins identified in Cae Gwyn SSSI, on Outfall channel / Nant Caerdegog Isaf, Nant Caerdegog Isaf (800m downstream), ponds and drains. The conceptual model confirms that this site is at least partly supported by bedrock groundwater, particularly during the wetter winter months. The bedrock groundwater models show the groundwater drawdown for the construction phase dewatering would be up to 0.02m at the north of the SSSI. We note that NRW accept the broad outputs of the model regarding regional drawdown, but that this cannot address detailed site-specific impacts. Horizon acknowledge that the conceptual model for Cae Gwyn is not ideal. This was due to access difficulties, both for drilling rigs due to the difficult peat terrain but mostly due to landowner access issues. Nonetheless, we agree with NRW that the risk of impact to Cae Gwyn is low. In any case monitoring is secured in the Main Power Station Site sub-CoCP which will monitor for any effects from the dewatering to confirm or otherwise the impacts on Cae Gwyn and allow for mitigation needs to be assessed (REP2-032, paragraph 10.4.6).	Detailed mitigation to be secured in the Abstraction Licence and a Cae Gwyn SSSI Monitoring and Mitigation Scheme	NRW to review amended documents.

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW29	Assessment	Impacts on water quality and water quantity	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Ongoing	<p>It is agreed that Cae Gwyn SSSI is unlikely to be damaged by changes to water quantity (including dewatering) or by changes to water quality. This conclusion is on the basis of detailed monitoring and mitigation being approved by the competent authority, in consultation with NRW.</p>	<p>Although additional mitigation measures (APP-128, Table D9-10) are proposed to mitigate hydrological impacts to Cae Gwyn SSSI, the ES concludes that there would be only a minor effect to Cae Gwyn SSSI (APP-128, paragraph 9.5.85). Proposed mitigation measures for water quality impacts at Cae Gwyn SSSI are secured in the Wylfa Newydd Code of Construction Practice and the Main Power Station Site sub-CoCP (updated versions of which were submitted at Deadline 5 (12 February 2019)) which are control documents.</p> <p>Detailed mitigation measures would be secured through the Abstraction Licence, which NRW would determine, and a Cae Gwyn SSSI Monitoring and Mitigation Scheme, which would be agreed with IACC in consultation with NRW.</p>	<p>Detailed mitigation to be secured in the Abstraction Licence and a Cae Gwyn SSSI Monitoring and Mitigation Scheme</p>	<p>NRW to review amended CoCP and sub-CoCPs.</p>
NRW30	Mitigation	Impacts on water quality and water quantity	REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Ongoing	<p>Detailed monitoring and mitigation measures will need to be approved by the competent authority in consultation with NRW.</p> <p>It is agreed that monitoring should be undertaken during the main construction phase to validate the predictions of the groundwater model.</p> <p>We note that Horizon propose that the monitoring and mitigation be secured under the Abstraction Licence (when applied for). However, it is agreed that the Secretary of State will need to decide whether the monitoring and mitigation measures should be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed monitoring and mitigation measures, by the discharging authority (in consultation with NRW), will be required.</p>	<p>Ground water monitoring is proposed and secured in the Main Power Station Site sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)) which will monitor for any effects from the dewatering to confirm or otherwise the impacts on Cae Gwyn and allow for mitigation needs to be assessed.</p>	<p>Detailed mitigation will be secured through the Abstraction Licence and a Cae Gwyn SSSI Monitoring and Mitigation Scheme</p>	<p>Groundwater monitoring and mitigation proposals.</p>

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
European and Nationally protected species								
NRW31	Baseline / Methodology / Modelling	Baseline surveys	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology	Agreed	<p>It is agreed that sufficient baseline information is presented in the ES to inform the impact assessment for European Protected Species (bats, otters, great crested newts, cetaceans), national fully protected species (water voles, red squirrels) and Schedule 1 listed birds (chough, barn owl) which may be affected as a result of the project.</p>		N / A	No further action
NRW32	Assessment	Impacts on protected species	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology REP2-031 Deadline 2 Submission - 8.6 Wylfa Newydd Code of Construction Practice REP2-033 – Deadline 2 submission – 8.8 Marine Works sub-CoCP	Ongoing	<p>It is agreed that the project, through securing appropriate mitigation, is unlikely to be detrimental to the Favourable Conservation Status of terrestrial protected species.</p> <p>Potential injury to cetaceans (marine European Protected Species) caused by underwater noise from marine works/activities is possible when assessments are made using the revised NMFS (2018) guidance/criteria on marine mammal hearing.</p> <p>Pending further clarification and discussion on the noise modelling, there is uncertainty on the level and application of mitigation required to minimise the risk.</p>	<p>It is agreed that the project, through securing appropriate mitigation, is unlikely to be detrimental to the Favourable Conservation Status of terrestrial protected species. Horizon considers that the mitigation measures for marine mammals, secured through the Wylfa Newydd Code of Construction Practice (REP2-031) and Marine Works sub-CoCP (REP2-033), are sufficient. It is noted that detailed mitigation measures for marine mammals will need to be approved by NRW via the Marine Licence.</p>	<p>Detailed mitigation to be secured through EPS or Conservation Licences and Marine Licence</p>	Further discussions required.
NRW33	Mitigation	Mitigating impacts on protected species	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP REP2-033 – Deadline 2 submission – 8.8 Marine Works sub-CoCP	Ongoing	<p>Potential injury to cetaceans (marine European Protected Species) caused by underwater noise from marine works/activities is possible when assessments are made using the revised NMFS (2018) guidance/criteria on marine mammal hearing.</p> <p>Pending further clarification and discussion on the noise modelling, there is uncertainty on the level and application of mitigation required to minimise the risk.</p> <p>It is agreed that where a European Protected Species licence / Conservation licence will be required for a specific species, detailed mitigation measures for that species may be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted.</p> <p>Where a licence is not required, any required mitigation measures (Reasonable Avoidance Measures) to avoid impacts on those species should be set out in a detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.</p>	<p>The latest monitoring proposals for protected species, are set out in the Main Power Station Site sub-CoCP and Marine Works sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)).</p> <p>Horizon considers that the mitigation measures for marine mammals, secured through the Wylfa Newydd Code of Construction Practice (REP2-031) and Marine Works sub-CoCP (REP2-033), are sufficient. It is noted that detailed mitigation measures for marine mammals will need to be approved by NRW via the Marine Licence.</p>	<p>N / A</p>	Further discussions required.
Migratory & Marine Fish								
NRW34	Baseline / Methodology / Modelling	Migratory fish Section 7 fish	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	<p>It is agreed that sufficient baseline information is presented in the ES to inform the impact assessment.</p>		N / A	No further action
NRW35	Assessment	Migratory fish Section 7 fish	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	<p>It is considered that subject to the agreement of detailed mitigation measures set out in the Marine Works sub-CoCP and CoOP (an updated version of which was submitted at Deadline 5 (12 February 2019)) that the project is unlikely to have significant impacts on migratory fish and / or Section 7 fish. The detailed mitigation may be secured through a condition of the Marine Licence and/or Environmental Permit applications . However, it is agreed that the Secretary of State will need to decide whether the mitigation measures should</p>	<p>Detailed mitigation to be secured in the Marine Licence and</p>	<p>No further action</p>	

Environmental Statement Volume D – Main Site									
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue	
			APP-416 8.8 Marine Works sub-CoCP	Green	be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed mitigation measures, by the discharging authority (in consultation with NRW), will be required.		Environmental Permits		
Marine environment- benthic ecology									
NRW37	Baseline / Methodology / Modelling	Main site – impacts on benthic Annex I and Section 7 habitat	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	It is agreed that sufficient baseline information, and modelling undertaken, is presented in the ES to inform the assessment of impact on benthic habitat.		N / A	No further action	
NRW38	Baseline / Methodology / Mitigation	Holyhead North – impacts on benthic Annex I habitat	REP2-033 Deadline 2 Submission - 8.6 Wylfa Newydd Code of Construction Practice	Agreed	It is agreed that, although there is limited information on the extent of benthic habitats at the disposal site (and subject to the requirements explained below), that there is sufficient baseline information presented in the ES to inform the impact assessment and to identify appropriate mitigation. It is agreed that pre-commencement benthic surveys (pre-disposal) of the disposal site will need to be undertaken within 1 year of disposal taking place in order to ensure avoidance of areas of Annex 1 reef (notably <i>Sabellaria</i> reef). Sufficient information is already present for sediment disposal areas. Horizon have secured these measures in the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) which states that rock material will be deposited within a micro-sited area of the Disposal Site. Horizon anticipate that this will also be a condition of the Marine Licence which will be issued by NRW. Detailed mitigation measures will be agreed and secured via the Marine Licence, to ensure that the project is unlikely to have significant impacts on Annex I habitat.		Detailed mitigation to be secured in the Marine Licence.	No further actions	
NRW39	Assessment	Main site – impacts on benthic Annex I and Section 7 habitat	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Not agreed	The ES did not include a cumulative impact assessment of the effects of the marine works, the changes in coastal processes, and the water-borne discharges (including the cooling water discharge), on benthic habitats of conservation importance. Horizon acknowledged this in its response to our Written Representations (7.73.3), and an additional 5.6ha of cumulative habitat loss and / or degradation has now been identified around the cooling water discharge, in addition to that identified under the footprint of marine works (revised total of 36.1ha). We welcome the additional information and updated impact assessment.NRW notes that the Applicant has re-examined its marine ecological enhancement proposals and that the level and number of measures proposed has increased from the previous proposals. However, as explained in its Deadline 5 response, NRW does not agree that the residual effects on benthic habitats of conservation importance can be reduced from a 'Moderate Adverse' to a 'Minor Adverse' effect. NRW advise that the Secretary of State will need to consider the	The marine environment assessment presented in chapter D13 of the Environmental Statement (APP-132) identified a total of 13 impact pathways via which potential effects to benthic habitats could occur within the Wylfa Newydd Development Area. The assessment presented in section 13.6 of chapter D13 (APP-132), concluded that the Wylfa Newydd Project could potentially result in two significant effects representing a medium magnitude of change and a moderate adverse effect to benthic habitats. Firstly, from the direct loss of habitats and species under the footprint of the Marine Works, and secondly, from the potential introduction of invasive non-native species during Main Construction. When taking into consideration the additional mitigation presented in section 13.8 of chapter D13 of the Environmental Statement (APP-132), it was concluded that in both cases, the residual effects would represent a small magnitude of change and a minor non-significant effect. Two additional minor non-significant effects to benthic habitats were identified due to the discharge of Cooling Water and the associated thermal and Total Residual Oxidants (TRO) (see paragraphs 13.6.679, 13.6.690, 13.6.784 and 13.6.789 of chapter D13 of the Environmental Statement) (APP 132). No other topic assessments presented within the Environmental Statement identified effects to benthic habitats. It is noted that sub lethal effects of TRO and thermal discharge are expected to be highly localised being limited to the immediate zone of discharge (i.e. within a few 100 metres	Detailed mitigation to be secured in the Marine Licence.	No further action	

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
				Red	<p>scheme in the context of the impacts identified on benthic habitats.</p>	<p>of the outfall). Whilst effects of smaller magnitude may occur further afield, these would remain reasonably localised, covering a subtidal and intertidal area of 4.2ha and 0.3ha, respectively (see paragraphs 13.6.679 and 13.6.690 of chapter D13 of the Environmental Statement) (APP-132). The subtidal and intertidal habitats (including those of conservation importance) that would be affected cumulatively by the Project are considered common on a regional scale and therefore any loss would not result in wider effects on the structure and function of benthic habitats. Consequently, there is not considered to be a combined effect to benthic habitats.</p> <p>Horizon's position regarding the mitigation items is provided in issue NRW50 below.</p>		
NRW50	Mitigation	Main site – impacts on benthic habitat	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment REP4-023 Deadline 4 Submission - Ecological Enhancements Mitigation Report	Not Agreed	<p>NRW notes that Horizon have re-examined its marine ecological enhancement proposals and that the level and number of measures proposed has increased from the previous proposals.</p> <p>NRW advise that the Secretary of State will need to consider the scheme in the context of the impacts identified on benthic habitats.</p> <p>NRW advise that the marine enhancement measures be appropriately secured to demonstrate that the impacts on benthic habitats are being mitigated as far as reasonably possible.</p>	<p>The direct losses of intertidal and subtidal habitats are assessed in DCO ES chapter D13 and in the WFD compliance assessment. There would be a total loss of approximately 37ha of marine habitat, of which, 20ha have been classified as subtidal and intertidal habitats of conservation importance. This loss of habitats results from the footprint of the permanent and temporary marine works. This loss of habitat of conservation importance is assessed as being a moderate adverse effect within chapter D13 of the DCO ES. Additional mitigation through ecological enhancement will be provided to increase the diversity and biomass of ecological communities on the new marine structures resulting in a reduction of the effect on subtidal and intertidal habitats of conservation importance to minor adverse. Further details of the proposals for marine ecological enhancement of the breakwater have been submitted at Deadline 4 (REP4-023).</p>	Marine Licence	No further action
Invasive Non-Native Species (INNS)								
NRW52	Baseline / Methodology / Modelling	Terrestrial INNS	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology	Agreed	It is agreed that sufficient baseline information is provided in the ES to inform assessments of the impacts of terrestrial INNS and identify appropriate mitigation.			N / A
NRW53	Baseline / Methodology / Modelling	Marine INNS	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	It is agreed that sufficient baseline information is provided in the ES to inform assessments of the impacts of marine INNS and identify appropriate mitigation.			N / A
NRW54	Assessment	Terrestrial INNS	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	<p>NRW consider that the risk of introduction of and / or spread of INNS can be minimised. NRW do not agree that the CoCP contains sufficient detail to conclude that the risk will be minimised and advise that a detailed biosecurity risk assessment be produced and approved by the discharging authority in consultation with NRW.</p>	<p>Horizon are proposing to prepare a revised biosecurity risk assessment and method statement as stated in the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)). Paragraph 11.2.52 of the CoCP states that monitoring requirements for INNS will be regularly reviewed and agreed with NRW.</p>	N / A	No further action

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW55	Assessment	Marine INNS	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Agreed	<p>It is agreed that, subject to detailed biosecurity risk assessment being approved by NRW, that the risk of ingress of and / or spread of INNS will be minimised. It is agreed that detailed mitigation to minimise impacts from INNS, including the submission of a biosecurity risk assessment will be secured by a condition of the Marine Licence. However, it is agreed that the Secretary of State will need to decide whether the detailed biosecurity risk assessment should be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed mitigation measures, by the discharging authority (in consultation with NRW), will be required.</p>	<p>Detailed mitigation to be secured in the Marine Licence.</p>	No further action	
Protected landscapes – AONB								
NRW58	Baseline / Methodology / Modelling	Impacts on the Ynys Môn AONB	APP-129 6.4.10 ES Volume D – WNDA Development D10 – Landscape and Visual	Agreed	<p>It is agreed that sufficient baseline information on the Ynys Môn / Isle of Anglesey AONB is presented in the ES and that the assessment methodology has followed best practice.</p>	<p>N / A</p>	No further action	
NRW59	Assessment	Impacts on the Ynys Môn AONB	APP-129 6.4.10 ES Volume D – WNDA Development D10 – Landscape and Visual	Agreed	<p>It is agreed that the ES and its assessment of Landscape and Visual effects relating to the Ynys Môn / Isle of Anglesey Area of Outstanding Natural Beauty (AONB) accurately reflects the predicted effects.</p>	<p>N / A</p>	No further action	
NRW60	Mitigation	Impacts on the Ynys Môn AONB	APP-129 6.4.10 ES Volume D – WNDA Development D10 – Landscape and Visual	Not Agreed	<p>NRW consider that detailed proposals will need to be submitted to ensure mitigation of impacts upon the AONB are fully developed. Detailed mitigation measures will need to be set out in the relevant Sub-CoCPs and approved by the discharging authority.</p>	<p>Horizon's mitigation proposals for impacts to the AONB will be implemented through the design of the restored landscape of the Wylfa Newydd Development Area.</p> <p>DCO Requirement WN9 specifies that the Final Landscape and Habitat Scheme will be submitted to IACC for approval.</p>	<p>N / A</p>	No further action
Flood Risk								
NRW61	Baseline / Methodology / Modelling	Main site flood risk	APP-160 – APP-166 6.4.32 ES Volume D – WNDA Development App D8-7 – Surface Water and Groundwater Modelling Results	Agreed	<p>It is agreed that the flood modelling has been undertaken appropriately and followed best practice.</p>	<p>N / A</p>	No further action	
NRW62	Assessment	Main site flood risk	APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater APP-150 6.4.29 ES Volume D – WNDA Development App D8-4 Flood Consequences Assessment	Agreed	<p>It is agreed that the ES and FCA concludes, through modifying and increasing catchment areas at the Wylfa Newydd main site, that the project may cause increased flood risk to 3rd parties.</p>	<p>N / A</p>	No further action	

Environmental Statement Volume D – Main Site								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW63	Mitigation	Main site flood risk	APP-150 6.4.29 ES Volume D – WNDA Development App D8-4 Flood Consequences Assessment APP-167 6.4.33 ES Volume D – WNDA Development App D8-8 – Summary of Preliminary Design for Construction Surface Water Drainage	Ongoing	<p>NRW do not agree with the conclusion of the FCA that the outline landform and drainage scheme can be revised at detailed design stage so as not to exacerbate any existing flood risk. NRW is concerned that no mitigation is presented as part of the DCO application to demonstrate that measures can be delivered to mitigate the increased flood risk.</p> <p>Please see section 7.1 in NRW's Written Representations.</p> <p>NRW will review the additional information submitted for deadline 6.</p>	<p>The Summary of preliminary design for construction surface water drainage [APP-167], supplemented by additional information to be presented via a Technical Note at Deadline 6, demonstrates that the drainage system will provide attenuation for events up to the 1% AEP event with an allowance for climate change.</p>	N / A	NRW to review technical note submitted at Deadline 6
Contaminated land / Groundwater protection								
NRW64	Baseline / Methodology / Modelling	Baseline information on contaminated land and groundwater.	APP-126 6.4.7 ES Volume D – WNDA Development D7 – Soils and Geology APP-143 6.4.24 ES Volume D – WNDA Development APP D7-1 – Soils and Geology Baseline Conditions Report	Agreed	<p>It is agreed that sufficient baseline information on contaminated land and groundwater is presented in the ES to inform the assessments.</p>		N / A	No further action
NRW65	Assessment	Conclusion of the contaminated land impact assessment.	APP-126 6.4.7 ES Volume D – WNDA Development D7 – Soils and Geology	Agreed	<p>It is agreed that the conclusions of the ES accurately reflect the predicted effects on contaminated land and groundwater from the construction and operation of the power station.</p>		N / A	No further action
NRW66	Mitigation	Contaminated land mitigation.	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Not Agreed	<p>NRW consider that detailed mitigation measures will need to be set out in the Sub-CoCPs and approved by the discharging authority in consultation with NRW.</p>	<p>Horizon consider that all proposed mitigation measures relating to contaminated land, secured through the Wylfa Newydd Code of Construction Practice and Main Power Station Site sub-CoCP, (an updated version of which was submitted at Deadline 5 (12 February 2019)) are sufficient.</p>	N / A	No further action
Geological sites								
NRW67	Assessment / Mitigation	Geological Conservation Review sites	APP-126 6.4.7 ES Volume D – WNDA Development D7 – Soils and Geology	Agreed	<p>It is agreed that the coastline within the Wylfa Newydd Development Area has not been notified as a Geological Conservation Review site.</p>		N / A	No further action

Table 4-3 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume E – Off Site Power Station Facilities

Environmental Statement Volume E – Off-Site Power Station Facilities								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA								
NRW68	Assessment	SAC / SPA / Ramsar sites in Wales	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that the proposed Off-Site Power Station Facilities is unlikely to adversely affect any SAC, SPA or Ramsar site in Wales.		N / A	No further action
SSSIs								
NRW69	Assessment	SSSIs	APP-247 6.5.9 ES Volume E – Off-Site Power Station Facilities: AECC ESL and MEEG A9 – Terrestrial and Freshwater Ecology	Agreed	It is agreed that the proposed Off-Site Power Station Facilities is unlikely to damage any SSSIs.		N / A	No further action
WFD								
NRW70	Assessment	WFD Waterbodies	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the proposed Off-Site Power Station Facilities is not likely to result in deterioration of any quality elements and that the works would not prevent any of the WFD water bodies from achieving Good Status or Potential.		N / A	No further action
European and nationally protected species								
NRW71	Assessment	Assessment of protected species.	APP-247 6.5.9 ES Volume E – Off-Site Power Station Facilities: AECC ESL and MEEG A9 – Terrestrial and Freshwater Ecology	Agreed	It is agreed that the conclusions of the ES for the proposed works accurately conclude that, through securing appropriate mitigation, the proposal will not be detrimental to the Favourable Conservation Status of protected species.		N / A	No further action
NRW72	Mitigation	Mitigation for protected species.	REP2-034 Deadline 2 Submission - 8.9 Off-Site Power Station Facilities SubCode of Construction Practice	Not Agreed	Where an European Protected Species licence / Conservation licence will be required for a specific species, detailed mitigation measures for that species may be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted. Where a licence is not required, any required mitigation measures (Reasonable Avoidance Measures) to avoid impacts on those species should be set out in a detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.	Horizon considers that the proposed mitigation measures set out in REP2-034 (paragraphs 11.3.1 – 11.5.1), for protected species at the Off-Site Power Station Facilities, are sufficient. Paragraphs 11.3.1 and 11.4.1 specify that appropriate treatments for otter and water vole would be agreed with NRW. Paragraph 11.5.1 specifies that if demolition works could impact bat roosts, the works would be subject to a European Protected Species licence which would be determined by NRW. It is agreed that the project is unlikely to be detrimental to the Favourable Conservation Status of protected species. Detailed mitigation measures will be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted.	Detailed mitigation to be secured in the European Protected Species Licence.	No further action

Environmental Statement Volume E – Off-Site Power Station Facilities								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Protected landscapes								
NRW73	Assessment	Ynys Môn AONB	APP-248 6.5.10 ES Volume E – Off-Site Power Station Facilities: AECC ESL and MEEG E10 – Landscape and Visual	Agreed	It is agreed that the ES accurately concludes that the proposal is unlikely to affect the special qualities of the AONB.		N / A	No further action
Flood risk								
NRW74	Assessment	Flood Consequences Assessment	APP-254 6.5.16 ES Volume E – Off-Site Power Station Facilities: AECC ESL and MEEG App E8-1 MEEG / AECC / ESL – Flood Consequences Assessment	Agreed	It is agreed that the site is not within Zone C1 / C2, is not at risk of fluvial or tidal flooding, and will not result in increased fluvial flooding elsewhere.		N / A	No further action
Pollution prevention / environmental management								
NRW75	Assessment / mitigation	Assessment of pollution impacts	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice APP-417 8.9 Off-Site Power Station Facilities sub-CoCP	Agreed	It is agreed that mitigation measures for pollution impacts, secured through the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) and Off-Site Power Station Facilities sub-CoCP (APP-417), are sufficient.		N / A	No further action
Contaminated land / groundwater								
NRW77	Assessment / Mitigation	Assessment of ground conditions	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice APP-417 8.9 Off-Site Power Station Facilities sub-CoCP	Not Agreed	NRW agrees with the conclusion of the ES with regards to contaminated land but does not agree with the mechanism for securing mitigation. NRW require detailed mitigation measures to be approved by the competent authority in consultation with NRW.	Horizon considers that mitigation measures for pollution impacts, secured through the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)) and Off-Site Power Station Facilities sub-CoCP (APP-417) are sufficient.	N / A	No further action

Table 4-4 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume F – Dalar Hir Park and Ride

Environmental Statement Volumes F – Dalar Hir Park and Ride								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA								
NRW79	Assessment	SAC / SPA / Ramsar sites in Wales	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	NRW agree that the proposed Off-Site Power Station Facilities are unlikely to adversely affect any SAC, SPA or Ramsar site in Wales.		N / A	No further action
SSSI								
NRW80	Assessment	Llyn Traffwll SSSI	APP-273 6.6.8 ES Volume F - Park and Ride F8 - Surface water and groundwater APP-274 6.6.9 ES Volume F – Park and Ride F9 – Terrestrial and freshwater ecology	Ongoing	<p>The proposal includes a foul water treatment plant, which will discharge treated effluent (with elevated nutrients) into a watercourse upstream of Llyn Traffwll SSSI.</p> <p>NRW do not agree with the conclusions of the ES that there is no risk of damage to the SSSI features.</p>	<p>Application reference 6.6.8 ES Volume F - Park and Ride F8 - Surface water and groundwater (APP-273) presents information on the proposed sewage treatment facilities at the Dalar Hir Park and Ride development.</p> <p>APP-273 describes the site as containing a package sewage treatment plant that will discharge treated runoff to the Nant Dalar Hir. As there is no foul sewer within close proximity of the Park and Ride, foul water from the building facilities would be treated via a package treatment plant before discharging to the Nant Dalar Hir. APP-273 states that discharge from the treatment plant would be subject to an Environmental Permit with conditions bespoke for the Nant Dalar Hir and downstream receptors, including Llyn Traffwll.</p> <p>The assessment stated that the on-site sewage treatment plant would:</p> <ul style="list-style-type: none"> • be designed to treat water to appropriate standards set out in the consenting conditions (bespoke for the Nant Dalar Hir and downstream receptors, including Llyn Traffwll SSSI), of the Environmental Permit and agreed with NRW; • would be fitted with monitoring and controls to check discharge quality; and • if necessary prevent discharge of water that does not meet the limits of the Environmental Permit. <p>Along with management and maintenance procedures for the treatment plant, the assessment concluded that the above would mean that the magnitude of change to water quality in the Nant Dalar Hir would be negligible to small and the effects would be negligible to minor; not a significant effect.</p>	<p>Detailed mitigation will be secured through the Environmental Permit.</p>	<p>Horizon and NRW to continue discussions.</p>
NRW81	Mitigation	Llyn Traffwll SSSI	APP-274 6.6.9 ES Volume F – Park and Ride F9 – Terrestrial and freshwater ecology	Ongoing	<p>NRW do not agree that the mitigation specified is sufficient to demonstrate there will be no damage to the SSSI features.</p> <p>Further mitigation (e.g. tertiary treatment) may demonstrate no damage.</p>	<p>Please see response to SOCG issue NRW80</p>	<p>Detailed mitigation will be secured through the Discharge Permit.</p>	<p>Horizon and NRW to continue discussions.</p>

Environmental Statement Volumes F – Dalar Hir Park and Ride								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
WFD								
NRW82	Assessment	WFD Waterbodies	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the Dalar Hir proposal is not likely to result in deterioration of any quality elements and that the works would not prevent any of the WFD water bodies from achieving Good Status or Potential.		N / A	No further action
Protected species								
NRW83	Baseline / Methodology / Modelling	Protected species at Dalar Hir	APP-274 6.6.9 ES Volume F – Park and Ride F9 – Terrestrial and Freshwater Ecology	Agreed	It is agreed that sufficient baseline information is presented in the ES to inform the impact assessment for European Protected Species (bats, otters, great crested newts), and national fully protected species (water voles) which may be affected as a result of the Dalar Hir proposals.		N / A	No further action
NRW84	Assessment	Impacts on protected species	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-035 Deadline 2 Submission - 8.10 Park and Ride sub-Code of Construction Practice	Ongoing	Where an European Protected Species licence / Conservation licence will be required for a specific species, detailed mitigation measures for that species may be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted. Where a licence is not required, any required mitigation measures (Reasonable Avoidance Measures) to avoid impacts on those species should be set out in a detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.	Horizon considers that the proposed mitigation measures, set out in REP2-035 and section the Wylfa Newydd Code of Construction Practice (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient. Should impacts be anticipated, protected species licences will be sought and detailed mitigation measures will be conditioned as part of the licence.	Detailed mitigation will be secured through the EPS or Conservation Licence.	NRW to review amended CoCP and sub-CoCPs.
Protected landscapes								
NRW86	Assessment	Ynys Mon AONB	APP-275 6.6.10 ES Volume F - Park and Ride F10 - Landscape and visual	Agreed	It is agreed that the conclusions of the ES that the proposal is unlikely to affect the special qualities of the AONB		N / A	No further action
Flood risk								
NRW87	Baseline / Methodology / Modelling	Flood risk at Dalar Hir	APP-218 6.6.16 ES Volume F - Park and Ride App F8-1 - Dalar Hir - Flood Consequence Assessment	Agreed	It is agreed that the modelling undertaken is sufficient to inform the Flood Consequence Assessment. From the works undertaken on flood risk to the other receptors we would suggest that the modelling work reflects the existing and proposed situation. It is therefore suggested that the baseline / methodology / modelling is fit for purpose. The site is not modelled by NRW's nationalised modelling technique (JFlow) for catchments in excess of 3km ² .		N / A	No further action

Environmental Statement Volumes F – Dalar Hir Park and Ride								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW88	Assessment / Modelling	Flood risk at Dalar Hir	APP-281 6.6.16 ES Volume F - Park and Ride App F8-1 - Dalar Hir - Flood Consequence Assessment REP2-372 Deadline 2 Submission - 6.6.16 FCA Addendum	Ongoing	NRW has significant concerns that the proposal will result in unacceptable increased flood risk. NRW is awaiting additional information (Deadline 5) from Horizon to address this matter As detailed in NRW's Deadline 4 response, confirmation is also sought as to flows used in the model run i.e. has the 1% annual exceedance event +15% allowance for climate change been used. Car parking spaces (the development) should be flood free for this event to ensure compliance with TAN15:Development and Flood risk	The proposals at Dalar Hir have been amended and additional modelling undertaken. The results of the additional modelling were presented to NRW at a flood risk meeting on 14 th September 2018 where it was agreed, subject to NRW's review of the revised FCA, that the flood risk was acceptable. The amended Dalar Hir FCA (REP2-273) was submitted to the Examining Authority at Deadline 2 and additional information will be subsequently submitted at Deadline 5 on the effects of blockage and to provide clarifications.	N / A	NRW to review the amended Dalar Hir FCA and the Deadline 5 submissions.
Pollution prevention / environmental management								
NRW89	Baseline / Methodology / Modelling	Pollution prevention	APP-273 6.6.8 ES Volume F - Park and Ride F8 - Surface water and groundwater	Agreed	It is agreed that there is sufficient information to inform the impact assessment and mitigation measures required in relation to pollution prevention / environmental management.		N / A	No further action
NRW90	Assessment / mitigation	Pollution prevention	APP-274 6.6.9 ES Volume F – Park and Ride F9 – Terrestrial and freshwater ecology REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice APP-418 8.10 Park and Ride sub-CoCP	Ongoing	NRW do not agree with the conclusions of the ES in relation to water quality impacts (see comments above relating to Llyn Traffwll SSSI (SOCG issue NRW80). NRW do not agree that the foul drainage connection to the nearby watercourse will have insignificant impacts on water quality. NRW consider that detailed mitigation measures will need to be specified in the detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.	Please see response to SOCG issue NRW80. As mentioned in the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), and the Park and Ride sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)) secure Horizon's commitment to mitigating construction-related environmental effects, including protected species, demonstrating that Horizon will control the potential impacts of the Wylfa Newydd Project on people, businesses and the natural and historical environment. Its Horizon's view that the 'water management strategy' contained in the Wylfa Newydd CoCP and the Park and Ride sub-CoCP contains sufficient detail to demonstrate that the mitigation described in the Environmental Statement and other assessments will be secured. It should be noted that Horizon will need to apply for a discharge permit where the detailed mitigation measures will need to be agreed and approved by NRW when determining the application.	Detailed mitigation will be secured through the Discharge Permit.	Horizon and NRW to continue discussions.
Contaminated land / groundwater								
NRW92	Assessment / mitigation	Contaminated land / groundwater	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	NRW agree with the conclusions of the ES. NRW Do not agree with the mechanism for securing detailed mitigation. NRW require that detailed mitigation measures be approved by the competent authority in consultation with NRW.	Horizon considers that the proposed mitigation measures, set out in section 9.4 of the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient.	N / A	No further action

Table 4-5 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume G – A5025 Offline Highways Improvements

Environmental Statement Volumes G – A5025 Offline Highways Improvements								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA								
NRW94	Assessment / mitigation	SAC / SPA / Ramsar sites in Wales	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice APP-420 8.12 A5025 Off-line Highway Improvements sub-CoCP	Agreed	<p>It is agreed that the proposed A5025 highway improvements are unlikely to adversely affect any SAC, SPA or Ramsar site in Wales.</p> <p>It is agreed that the proposed mitigation measures, set out in sections 11 of APP-420 and the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient to demonstrate that impacts (e.g. pollution) will be appropriately managed.</p>		N / A	No further action
SSSI								
NRW96	Assessment / mitigation	Beddmanarch-Cymyran SSSI	APP-420 8.12 A5025 Off-line Highway Improvements sub-CoCP REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Agreed	<p>It is agreed that the proposed A5025 highway improvements are unlikely to damage the SSSI interest.</p> <p>It is agreed that the proposed mitigation measures, set out in sections 11 of APP-420 and the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient to demonstrate that impacts (e.g. pollution) will be appropriately managed.</p>		N / A	No further action
WFD								
NRW98	Assessment	WFD Waterbodies	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	NRW agree that the proposed A5025 Highway Improvements is not likely to result in deterioration of any quality elements and that the works would not prevent any of the WFD water bodies from achieving Good Status or Potential.		N / A	No further action
European and Nationally protected species								
NRW99	Baseline / Methodology / Modelling	Baseline surveys	APP-312 6.7.9 ES Volume G - A5025 Off-line Highway Improvements G9 - Terrestrial and freshwater ecology	Agreed	It is agreed that sufficient baseline information is presented in the ES to inform the impact assessment for European Protected Species (bats, otters, great crested newts), and national fully protected species (water voles) which may be affected as a result of the A5025 Highway Improvements.		N / A	No further action

Environmental Statement Volumes G – A5025 Offline Highways Improvements								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW100	Assessment	Impacts on protected species	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-036 Deadline 2 Submission - 8.12 A5025 Off-line Highway Improvements Sub-Code Of Construction Practice	Agreed	It is agreed that, through securing appropriate mitigation, the project is unlikely to be detrimental to the Favourable Conservation Status of protected species.		Detailed mitigation will be secured through the EPS or Conservation Licence.	NRW to review amended CoCP and sub-CoCPs.
NRW101	Mitigation	Mitigating impacts on protected species	REP2-036 Deadline 2 Submission - 8.12 A5025 Off-line Highway Improvements Sub-Code Of Construction PracticeAPP-029 3.1 Draft Development Consent Order	Not Agreed	It is agreed that the monitoring proposals set out in the sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), submitted at Deadline 2, are appropriate and are in line with discussions held between Horizon and NRW during a teleconference on 14 th September 2018. Where an European Protected Species licence / Conservation licence will be required for a specific species, detailed mitigation measures for that species may be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted. Where a licence is not required, any required mitigation measures (Reasonable Avoidance Measures) to avoid impacts on those species should be set out in a detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.	It is agreed that detailed mitigation measures for protected species will be approved by NRW via the relevant protected species licences. Horizon consider that the mitigation measures set out in the A5025 Off-line Highway Improvements sub-Code of Construction Practice (REP2-036) (to be updated at Deadline 5) are sufficient.	Detailed mitigation will be secured through the EPS or Conservation Licence.	No further action
Protected landscapes								
NRW102	Baseline / Methodology / Modelling / Assessment / Mitigation	Ynys Mon AONB	APP-313 6.7.10 ES Volume G - A5025 Off-line Highway Improvements G10 - Landscape and visual	Agreed	NRW agree with the conclusions of the ES that the proposal is unlikely to affect the special qualities of the AONB		N / A	No further action

Environmental Statement Volumes G – A5025 Offline Highways Improvements								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Flood risk								
NRW103	Assessment / Modelling	Breach modelling at Valley	REP4-010 Deadline 4 Submission - Response to Action Points set in Issue Specific Hearing on the 11 January 2019	Agreed	Horizon have undertaken further modelling to show the flood risk for a breach scenario and this has formally been submitted to Examination at Deadline 4 (REP4-010). NRW is still awaiting electronic copies of the hydraulic modelling files It is therefore agreed that the breach modelling has been undertaken appropriately and that through implementation of the flood risk mitigation and compensation measures that the works at Section 1 Valley to be compliant with TAN15.		N / A	NRW to review the technical note on the Valley breach flood risk modelling [REP4-010]
NRW104	Assessment / Modelling	Flooding of third party land at Llanfachraeth	APP-323 6.7.20 ES Volume G – A5025 Off-line Highway Improvements App G8-1 – A5025 Off-line Highway Improvements – Flood Consequences Assessment	Agreed	As detailed in NRW's Deadline 4 submission [REP4-039] the proposal is contrary to TAN15 in that the development will lead to an increase in flood risk elsewhere (increase in flood levels by 0.09m to agricultural land). Horizon have acknowledged that compliance with TAN15 will be difficult at Llanfachraeth and have dismissed compensatory flood storage as a means of effectively offsetting the observed impacts. We understand that Horizon are exploring a legal agreement with the relevant land owner to "allow" additional flooding on their land. The Secretary of State will need to consider the scheme in the context of non-compliance with TAN15 at this specific location, with or without landowner agreement.		N / A	N / A
Pollution prevention / environmental management								
NRW105	Baseline / Methodology / Modelling	Pollution prevention / environmental management	APP-310 6.7.7 ES Volume G - A5025 Off-line Highway Improvements G7 - Soils and geology	Agreed	NRW agree that there is sufficient information to inform the impact assessment and mitigation measures required in relation to pollution prevention / environmental management		N / A	No further action
NRW106	Assessment / mitigation	Pollution prevention / environmental management	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-036 Deadline 2 Submission - 8.12 A5025 Off-line Highway Improvements Sub-Code Of Construction Practice	Agreed	It is agreed that the proposed mitigation measures, set out in the Wylfa Newydd CoCP and the A5025 Off-line Highway Improvements sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient to demonstrate that impacts (e.g. pollution) will be managed appropriately.		N / A	No further action

Environmental Statement Volumes G – A5025 Offline Highways Improvements								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
Contaminated land / groundwater								
NRW108	Assessment / mitigation	Contaminated land / groundwater	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-036 Deadline 2 Submission - 8.12 A5025 Off-line Highway Improvements Sub-Code Of Construction Practice	Not Agreed	NRW agree with the conclusions of the ES. NRW do not agree with the mechanism for securing detailed mitigation measures. NRW require mitigation measures be approved by the competent authority in consultation with NRW.	Horizon considers that the proposed mitigation measures, set out in Wylfa Newydd CoCP and the A5025 Off-line Highway Improvements sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient.	N / A	No further action

Table 4-6 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within Environmental Statement Volume H – Logistics Centre

Environmental Statement Volumes H – Logistics Centre								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA								
NRW110	Assessment	SAC / SPA / Ramsar sites in Wales	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that the proposed Logistics Centre is unlikely to adversely affect any SAC, SPA or Ramsar site in Wales.		N / A	No further action
SSSI								
NRW111	Assessment	SSSIs	APP-363 6.8.9 ES Volume H - Logistics Centre H9 - Terrestrial and freshwater ecology	Agreed	It is agreed that the proposed Logistics Centre is unlikely to damage any SSSIs.		N / A	No further action
WFD								
NRW112	Assessment	WFD Waterbodies	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the proposed Logistics Centre is not likely to result in deterioration of any quality elements and that the works would not prevent any of the WFD water bodies from achieving Good Status or Potential.		N / A	No further action

Environmental Statement Volumes H – Logistics Centre								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
European and Nationally protected species								
NRW13	Assessment / mitigation	Impacts on protected species	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-373 Deadline 2 Submission - 8.11 Logistics Centre sub-CoCP	Not Agreed	<p>It is agreed that, through securing appropriate mitigation, the project is unlikely to be detrimental to the Favourable Conservation Status of protected species. Where an European Protected Species licence / Conservation licence will be required for a specific species, detailed mitigation measures for that species may be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted.</p> <p>Where a licence is not required, any required mitigation measures (Reasonable Avoidance Measures) to avoid impacts on those species should be set out in a detailed Sub-CoCP and approved by the discharging authority in consultation with NRW.</p>	<p>Horizon consider mitigation measures will be secured through the European Protected Species Licence or Conservation Licence to be issued by NRW after the DCO has been granted.</p> <p>Where a licence is not required, Horizon consider that the mitigation measures set out in the Logistics Centre sub-CoCP (REP2-373)(to be updated at Deadline 5) are sufficient.</p>	N / A	No further action
Protected landscapes								
NRW15	Assessment	Ynys Mon AONB	APP-364 6.8.10 ES Volume H - Logistics Centre H10 - Landscape and visual	Agreed	It is agreed that the proposed Logistics Centre is unlikely to affect the special qualities of the AONB		N / A	No further action
Flood risk								
NRW16	Assessment	Flood risk	APP-362 6.8.8 ES Volume H - Logistics Centre H8 - Surface water and groundwater	Agreed	NRW agree that the site is not within Zone C1 / C2, is not at risk of fluvial or tidal flooding, and will not result in increased fluvial flooding elsewhere.		N / A	No further action
Pollution prevention / environmental management								
NRW17	Assessment / mitigation	Pollution prevention	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Agreed	It is agreed that the proposed mitigation measures, set out in the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient to demonstrate that the impacts (e.g. pollution) will be managed appropriately.		N / A	No further action
Contaminated land / groundwater								
NRW19	Assessment / mitigation	Contaminated land	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice	Not Agreed	NRW agree with the conclusions of the ES. NRW do not agree with the mechanism for securing detailed mitigation measures. NRW require mitigation measures be approved by the competent authority in consultation with NRW.	Horizon considers that the proposed mitigation measures, set out in the Wylfa Newydd CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), are sufficient.	N / A	No further action

Table 4-7 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within the Shadow Habitats Regulations Assessment

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA – Anglesey Terns SPA (& Cemlyn Bay SSSI tern features)								
NRW121	Baseline / Methodology / Modelling	Noise and visual disturbance	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Not Agreed	NRW do not consider that there is sufficiently robust information / literature / evidence available on the sensitivity of Sandwich terns to similar disturbance as proposed by the project to be able to conclude, beyond reasonable scientific doubt, that birds won't be disturbed.	Horizon's position is that the best available science with respect to the potential effect of the Project on all tern species has been used to inform the Shadow HRA and that this information is sufficiently robust. It includes all relevant literature and disturbance data from two years of monitoring the Cemlyn Bay colony. Horizon is confident in its conclusion that an adverse effect on the integrity of the Anglesey Terns SPA would not arise.	N / A	No further action
NRW122	Baseline / Methodology / Modelling	Tern foraging	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	It is agreed that sufficient baseline information on fish (as prey items) has been collected. It is agreed that sufficient information on tern foraging (through tern tracking surveys) has been collected.		N / A	No further action
NRW123	Baseline / Methodology / Modelling	Supporting habitat	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that sufficient baseline information on supporting habitat has been presented in the ES to inform the assessments.		N / A	No further action
NRW124	Baseline / Methodology / Modelling	Coastal processes effects on the shingle ridge	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment APP-218 6.4.82 ES Volume D – WNDA Development App D12-3 Wylfa Newydd Main Site Wave Modelling Report REP2-007 Deadline 2 Submission - Supplementary Information on Coastal Processes to Support Wylfa Newydd EIA and Shadow HRA	Ongoing	Impacts on the Esgair Gemlyn shingle ridge may potentially affect the functioning of the lagoon and the islands which the terns use for breeding. See SOCG issue NRW132 below in relation to modelling impacts on Esgair Gemlyn (Cemlyn Bay SAC / SSSI)	Since the submission of the DCO application, Horizon have undertaken further modelling assessments which couple the model for the worst case 99%ile NE wave scenario with the coastal processes model to identify any impacts to Esgair Gemlyn. The additional information was sent to NRW on 21 st September 2018 and was discussed at a meeting on the 27 th September 2018. This information was submitted to the Examining Authority at Deadline 2 (REP2-007). The results show that the bed shear stresses predicted to arise due to the marine works would not change sufficiently to cause an increase in sediment mobilisation, which could have an adverse impact on Esgair Gemlyn. Moreover, there is not predicted to be a significant change in the energetics of the water body within / adjacent to Cemlyn lagoon. Consequently, the functioning of the lagoon and islands that terns use for breeding would not be adversely affected. Nevertheless Horizon are in discussions with NRW on proposals for an adaptive management scheme to address any changes to the ridge that could arise as a result of the project.	N / A	Continue discussions on adaptive management approach

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW125	Assessment	Noise and visual disturbance	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Not Agreed	NRW considers that the evidence and mitigation presented in the Shadow HRA does not demonstrate that disturbance associated with the construction phase will not have adverse effects on the Sandwich, arctic and common tern populations at the Cemlyn colony. NRW considers that adverse effects on the SPA (relating to sensitivity of Sandwich, arctic and common terns to construction disturbance) cannot be ruled out.	Horizon's position is that the best available evidence has been used and a high degree of conservatism has been built into the Shadow HRA (e.g. regarding the generation of construction noise). This demonstrates beyond reasonable scientific doubt that no adverse effect on the integrity of the Anglesey Terns SPA, including the populations of Sandwich, Arctic and common terns, would arise because of the Project. Moreover, the mitigation proposed includes measures that would result in works being amended if disturbance reactions are observed.	N / A	No further action
NRW126	Assessment	Tern foraging	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	Following further consideration of available data, NRW consider that there will be no adverse effects as a result of impacts on prey items (fish). It is agreed that detailed mitigation measures may be secured via the Marine Licence and/or Operational Water Discharge Permit.		Detailed mitigation measures to be secured in the Marine Licence and/or Operational Water Discharge Permit.	No further action
NRW127	Assessment	Supporting habitat	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that the Wylfa Newydd Project will not have adverse effects on supporting habitat of the Anglesey Terns SPA.		N / A	No further action
NRW128	Mitigation	Noise and visual disturbance	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Not agreed	NRW do not agree that the mitigation measures specified demonstrates that measures can be delivered to avoid adverse effects on site integrity.	Horizon has had further constructive discussion with NRW on each element of the mitigation relevant to potential noise and visual disturbance to the Anglesey Terns SPA. Horizon understands NRW's position to be that the proposed mitigation would reduce the potential effect on the breeding tern population, but NRW has a residual concern. Horizon's position is that the mitigation proposed offers sufficient certainty for a conclusion to be reached that an adverse effect on site integrity would not arise. In short, Horizon plans to monitor noise levels at the colony during breeding seasons and maintain noise levels on site that do not cause disturbance. Regarding tern foraging, the WNDA boundary is more than 500m at its closest point to the nesting islands within Cemlyn Lagoon. A considerable body of evidence from the scientific literature suggests that visual disturbance from construction activities is highly unlikely at this distance. The effects of the works on tern foraging, therefore, would be insignificant and do not require mitigation.	N / A	No further action
NRW129	Mitigation	Tern foraging	APP-421 8.13 Wylfa Newydd Code of Operational Practice	Agreed	The Code of Operational Practice (CoOP) proposes to monitor the entrapment of fish. It is agreed that detailed mitigation measures may be secured via the Marine Licence and/or Operational Water Discharge Permit. However, it is agreed that the Secretary of State will need to decide whether the detailed mitigation measures should be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed mitigation measures, by the discharging authority (in consultation with NRW), will be required.		Detailed mitigation measures to be secured in the Marine Licence.	No further action

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA – Dee Estuary SPA								
NRW130	Assessment	Terns	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Not Agreed	Sandwich terns that breed at Cemlyn could also form part of the Passage Sandwich Tern feature of the Dee Estuary SPA. Abandonment of the Cemlyn population as a result of Wylfa Newydd project could therefore impact the conservation objective for the Dee Estuary SPA which is to maintain the population of passage Sandwich terns at the 5-year peak mean population of 957 individuals from 1995 – 1999. NRW therefore advises that an adverse effect on site integrity cannot be ruled out.	Given Horizon's conclusion with respect to the Anglesey Terns SPA (i.e. no adverse effect on integrity), Horizon's view is that an adverse effect on the Dee Estuary SPA can be ruled out. Notwithstanding this position, Horizon considers that NRW's concerns relating to the Dee Estuary SPA are directly linked to the effects at the Cemlyn Bay tern colony site and that, provided effects at Cemlyn Bay can be mitigated or (if required) compensated, there are no further requirements in relation to the Dee Estuary SPA.	N / A	No further action
HRA – Cemlyn Bay SAC / SSSI								
NRW131	Assessment	Air quality	N / A	Ongoing	For air quality effects on the lagoon and vegetated shingle feature of the SAC / SSSI please see SOCG issue NRW7 above in the Air Quality section.		N / A	See issue NRW7.
NRW132	Baseline / Methodology / Modelling	Coastal processes	APP-131 6.4.12 ES Volume D – WNDA Development D12 – Coastal Processes and Coastal Geomorphology APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report REP2-007 Deadline 2 Submission - Supplementary Information on Coastal Processes to Support Wylfa Newydd EIA and Shadow HRA	Ongoing	NRW advises that Esgair Gemlyn, which is critical to the functioning of the lagoon and in supporting the shingle ridge vegetation, may be affected by the marine structures. Further information has been submitted with respect to coastal processes modelling to understand whether the Wylfa Newydd project may cause an adverse effect on Esgair Gemlyn. NRW still have concerns as to whether the western breakwater will have an adverse effect on the shingle ridge in the long term and NRW advise that an adaptive management plan be implemented.	Horizon has submitted additional information to address NRW's concerns over the coastal processes modelling (REP2-007). NRW and Horizon are continuing discussions on proposals for an adaptive management plan that would address NRW's concerns.	N / A	Continue discussions on adaptive management plan.
NRW133	Baseline / Methodology / Modelling	Terrestrial water quality	Groundwater APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Agreed	It is agreed that the proposals set out in the Main Power Station Site sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)) to submit a written scheme of baseline water quality monitoring in Nant Cemlyn to NRW for approval are appropriate. It is agreed that Horizon will continue to pump surface water runoff from Mound E to the discharge point on the Afon Cafnan until the water quality achieves a threshold agreed with NRW.		N / A	No further action

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW134	Baseline / Methodology / Modelling	Hydrology and hydrogeology	APP-128 6.4.9 ES Volume D – WNDA Development D9 – Terrestrial and Freshwater Ecology APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	The Wylfa Newydd project will affect groundwater and surface water flows into Cemlyn lagoon. It is agreed that sufficient information is available to inform the impact assessments.		N / A	No further action
NRW135	Assessment	Coastal processes	APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report REP2-007 Deadline 2 Submission - Supplementary Information on Coastal Processes to Support Wylfa Newydd EIA and Shadow HRA	Ongoing	NRW does not agree that adverse effects on site integrity of Cemlyn Bay SAC / SSSI can be ruled out. NRW still have concerns as to whether the western breakwater will have an adverse effect on the shingle ridge in the long term and NRW advise that an adaptive management plan be implemented.	Horizon has submitted additional information to address NRW's concerns over the coastal processes modelling (REP2-007). NRW and Horizon are continuing discussions on proposals for an adaptive management plan that would address NRW's concerns.	N / A	Continue discussions on the adaptive management proposals.
NRW137	Assessment	Hydrology and hydrogeology	APP-127 6.4.8 ES Volume D – WNDA Development D8 – Surface Water and Groundwater APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that impacts on hydrology and hydrogeology will not affect the functioning of the lagoon feature and that there will not be adverse effect on site integrity as a result of this pathway.		N / A	No further action
NRW139	Mitigation	Terrestrial water quality	APP-6.4.33 ES Volume D – WNDA Development App D8-7 – Summary of Preliminary Design for Construction Surface Water Drainage	Ongoing	The project design has been amended so that no construction water discharge is now proposed to be discharged into Nant Cemlyn via discharge location E1 until vegetation has been re-established on the western slope of Mound E. Further clarity is required in relation to the mitigation measures detailed in 7.4.5 of the Shadow HRA and in relation to the drainage proposed on and around Mound E. NRW will review the updated Main Power Station Site Sub-CoCP at Deadline 5	In addition to the information set out in Horizon's Position to SOCG issue NRW133 above, Horizon can confirm that the Mound E drainage system is designed to accommodate a 1 in 30 year (plus a 20% uplift for climate change) event; and, although the Mound has been designed to encourage water to flow towards the drainage ponds (which are designed to accommodate a 1 in 100 year (plus 20%) event), the drains would overtop in the face of an event larger than 1 in 30 (plus 20% uplift) years, and some of this water (not diverted to the ponds or soaked away by the 15m vegetated buffer strip) would reach the Nant Cemlyn.	N / A	NRW to confirm proposals are sufficient.

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
HRA – Marine mammal features of Welsh SACs (including North Anglesey Marine SCI)								
NRW140	Baseline / Methodology / Modelling	Disturbance / Injury / Mortality Fish Prey Supporting habitat	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Agreed	It is agreed that sufficient information has been collected and / or is available to inform the assessment of impacts as a result of the construction and operation of Wylfa Newydd.		N / A	No further action
NRW141	Assessment / mitigation	Disturbance / Injury / Mortality Fish Prey Supporting habitat	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-033 Deadline 2 Submission - 8.8 Marine Works Sub-Code of Construction Practice	Agreed	It is agreed that the construction and operation of Wylfa Newydd will not have adverse effects on site integrity of SACs with marine mammal features in Welsh waters. It is agreed that detailed mitigation measures may be secured under the Marine Licence and/or Environmental Permit. However, it is agreed that the Secretary of State will need to decide whether the detailed mitigation measures should be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed mitigation measures, by the discharging authority (in consultation with NRW), will be required.		Detailed mitigation measures to be secured in the Marine Licence.	No further action
HRA – Chough features of Welsh SPAs (including Giannau Ynys Gybi SPA)								
NRW143	Baseline / Methodology / Modelling	Breeding chough Foraging chough	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that sufficient information is presented in the ES and supporting information to inform the assessment of impacts as a result of the construction and operation of Wylfa Newydd.		N / A	No further action
NRW144	Assessment / Mitigation	Breeding chough Foraging chough	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that the construction and operation of Wylfa Newydd will not have adverse effects on site integrity of chough SPAs in Wales.		N / A	No further action
HRA - Other European Sites in Wales								
NRW145	Assessment		APP-050 / 051 5.2 Shadow Habitats Regulations Assessment Report	Agreed	It is agreed that the construction and operation of Wylfa Newydd will not have adverse effects on site integrity of other SPAs, SACs and Ramsar sites in Wales i.e. other than those specifically referred to above.		N / A	No further action

Table 4-8 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within the Water Framework Directive compliance assessment

SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	Water Framework Directive (WFD)		Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
					NRW Position	Horizon Position		
WFD – Skerries coastal water body								
NRW146	Baseline / Methodology / Assessment	Waterbody / Quality Elements / Biological Quality Elements (benthic invertebrates)	APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment APP-444 8.26 Water Framework Directive Compliance Assessment	Ongoing	It is NRW's view that benthic invertebrate element in the Skerries Coastal water body should be considered for derogation under Article 4(7) in addition to the hydromorphology on the basis that the hydromorphology is a supporting element to the biology and benthic invertebrates are the primary receptor to changes in the hydromorphology.	SOCG issues NRW39 and NRW50 present information associated with this issue. Where NRW identifies specific requirements, Horizon is collating this material and will submit it to NRW and the DCO examination at Deadline 6 for consideration.	N / A	Horizon and NRW to continue discussions.
NRW147	Assessment	Hydromorphological Quality Elements	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the WFD Compliance Assessment accurately concludes that the hydromorphological conditions quality element may deteriorate from high to good status.		N / A	No further action
NRW149	Mitigation	Waterbody / Quality Elements	REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice APP-416 8.8 Marine Works sub-CoCP	Agreed	It is agreed that detailed mitigation measures, set out in the Marine Works sub-CoCP (an updated version of which was submitted at Deadline 5 (12 February 2019)), will be approved by NRW via the Marine Licence. It is agreed that any article 4(7) derogation would require the applicant to demonstrate that all practical steps are taken to mitigate the adverse impact on the status of the waterbody. Therefore detailed mitigation must be set out and approved by the relevant competent authority in order to satisfy this test. If this information is to be used to apply the Article 4 (7) tests there must be confidence in its deliverability.	Detailed mitigation measures to be secured through the Marine Licence	No further action	
NRW150	Article 4(7) Derogation Information	Hydromorphological Quality Elements	APP-445 8.27 Water Framework Directive Information to Support Article 4(7) Derogation	Ongoing	NRW agrees that, for this quality element, there will be a need for a derogation under Article 4(7) of the WFD. NRW does not agree that sufficient information is provided in the Article 4(7) Information report. Further information (including quantitative) is required on technical feasibility and disproportionate costs. Information will also be required with regard to mitigation proposed as part of the marine ecological enhancements proposals.	Horizon is progressing work to feed into the development of a derogation under Article 4(7) of the WFD and this will be submitted into the Examination at Deadline 6. This work relates to test (a) all practicable mitigation measures and test (d) significantly better environmental options. The scope of this work has been shaped by discussions held between Horizon and NRW. Discussions of scope focused on how best to present material when considering technical feasibility, disproportionate cost.	Detailed mitigation measures to be secured through the Marine Licence	Additional information to support Article 4(7) derogation.
NRW151	Article 4(7) Derogation Information	Biological Quality Elements (benthic invertebrates)	APP-445 8.27 Water Framework Directive Information to Support Article 4(7) Derogation	Ongoing	NRW advise that the benthic invertebrates element in the Skerries Coastal water body should be considered for derogation under Article 4(7) in addition to the hydromorphology on the basis that the hydromorphology is a supporting element to the biology, and that benthic invertebrates are the primary receptor to changes in the hydromorphology.	Following discussions with NRW at a meeting on the 10 th September, Horizon are currently preparing additional information to supplement the Article 4(7) derogation report. This will be provided to NRW and submitted to the DCO Examination at Deadline 6.	N / A	Additional information for the Article 4(7) derogation report

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
WFD – Anglesey North coastal water body								
NRW152	Baseline / Methodology / Assessment	Waterbody / Quality Elements		Ongoing	NRW will need to review the assessment of cooling water discharge (thermal plume) on the coastal processes (alteration of hydrodynamics) submitted at Deadline 5 before it can be agreed that hydromorphology is not at risk of deterioration for Anglesey North Coastal Water Body.	Estimates for the increase in mercury concentration have been made in response to NRW's concern. These conclude that the increase in the discharge will be below the laboratory limit of detection. Therefore this change in concentration would not be detectable at a water body scale. These calculations have been submitted to the Examining Authority at Deadline 5. Effects of the cooling water discharge upon coastal processes, including cumulative effects on benthic invertebrates with other project activities, have been investigated. Further information has been submitted to the Examining Authority at Deadline 5 SOCG issues NRW39 and NRW50 present information associated with this issue.	N / A	NRW to review submitted information.
NRW154	Mitigation	Waterbody / Quality Elements	APP-416 8.8 Marine Works sub-CoCP	Agreed	It is agreed that detailed mitigation measures, set out in the Marine Works sub-CoCP, will be approved by NRW via the Marine Licence. It is agreed that any article 4(7) derogation would require the applicant to demonstrate that all practical steps are taken to mitigate the adverse impact on the status of the waterbody. Therefore detailed mitigation must be set out and approved by the relevant competent authority in order to satisfy this test. If this information is to be used to apply the Article 4 (7) tests there must be confidence in its deliverability.		Detailed mitigation measures to be secured through the Marine Licence	No further action
NRW155	Article 4(7) Derogation Information	Waterbody / Quality Elements	APP-445 8.27 Water Framework Directive Information to Support Article 4(7) Derogation	Ongoing	NRW's advice on Article 4(7) derogation will be confirmed following provision of additional information to inform the WFD Compliance Assessment (see above).	Horizon notes that NRW and the Secretary of State, as the competent authorities in respect of applications relating to the Wylfa Newydd Project, are ultimately responsible for assessing WFD compliance, including in respect of any Article 4(7) derogation. In order to assist this process, Horizon has prepared the Water Framework Directive Compliance Assessment (APP-444) and Information to Support Article 4(7) Derogation (APP-445). This will be updated at Deadline 6..	N / A	Additional information requirements as specified by NRW and / or PINS.
WFD – Ynys Môn minor ground water body								
NRW156	Baseline / Methodology / Modelling	Waterbody / Quality Elements	APP-158 6.4.30 ES Volume D – WNDA Development App D8-5 – Tre'r Gof Hydroecological Assessment	Ongoing	NRW does not agree with the Conceptual Site Model for Tre'r Gof SSSI. We also note that the impacts of the outfall tunnel construction dewatering could be significant and has not been included in the assessments to date. We agree with the overall outcomes of the WFD Compliance Assessment, but insufficient information is available to inform assessment of all pathways, which has implications for monitoring / mitigation and the Article 4(7). See section 7.4 of NRW's Written Representations.	Horizon have submitted further information at Deadlines 5 and 6 in the ES Addendum and updated CoCP and sub-CoCPs. This brings Horizon's Conceptual Site Model into alignment with NRW's interpretation of the data and acknowledges for the potential for significant adverse effects via the groundwater dewatering pathway. A meeting was held on the 8 th February to discuss Horizon's updated position and general agreement was reached pending NRW's review of the revised documents and mitigation proposals.	Detailed mitigation measures to be secured through the Abstraction Licence and a Tre'r Gof SSSI Monitoring and Mitigation Scheme	Horizon to prepare and NRW to review the Hydrogeological Impact Assessment expected to be submitted in February.

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
NRW157	Assessment	Saline intrusion	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the WFD Compliance Assessment accurately concludes that there is potential for the Wylfa Newydd Project (including dewatering effects) to cause a deterioration in the Ynys Môn Secondary groundwater body due to saline intrusion. This effect is relevant to both quantitative and chemical tests for saline intrusion.		N / A	No further action
NRW158	Assessment	Groundwater Dependent Terrestrial Ecosystem (GWDTE)	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that the Wylfa Newydd Project could cause deterioration in the status of the Ynys Môn Secondary groundwater body with respect to the effects on Tre'r Gôf Site of Special Scientific Interest (SSSI) GWDTE.		N / A	No further action
NRW159	Mitigation	Waterbody / Quality Elements	REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Agreed	It is agreed that a detailed Hydrogeological Impact Assessment will need to be undertaken. It is agreed that detailed mitigation measures may be secured via the abstraction licence. However, it is agreed that the Secretary of State will need to decide whether the detailed mitigation measures should be controlled through a requirement of the DCO. Should the SoS consider this to be necessary, then it is agreed that additional approval of the detailed mitigation measures, by the discharging authority (in consultation with NRW), will be required.		Detailed mitigation measures to be secured through the Abstraction Licence	No further action
NRW160		Article 4(7) Derogation Information	APP-444 8.26 Water Framework Directive Compliance Assessment APP-445 8.27 Water Framework Directive Information to Support Article 4(7) Derogation	Ongoing	NRW agrees that for the Ynys Môn secondary groundwater body, there will be a need for derogation under Article 4(7) of the WFD. NRW does not agree that sufficient information is provided in the Article 4(7) Information report. Further quantitative information is required on technical feasibility and disproportionate costs. NRW will review the additional information submitted at Deadline 6.	As noted in SOCG issue NRW20, Horizon have agreed that a proposal for groundwater monitoring and mitigation will be submitted to NRW as part of the abstraction licence. The Article 4(7) derogation information report has been updated at Deadline 6.	N / A	Groundwater monitoring and mitigation proposals and feasibility study.
WFD – Cemlyn Lagoon coastal water body								
NRW161	Assessment	Waterbody / Quality Element	APP-444 8.26 Water Framework Directive Compliance Assessment	Ongoing	NRW does not agree with the conclusions of the WFD Compliance Assessment that the Cemlyn Lagoon coastal water body is not at risk of deterioration. We refer you to SOCG issues NRW132, NRW133, and NRW135 above in relation to Cemlyn Bay SAC / SSSI.	SOCG issue NRW124, NRW132, NRW133 and NRW135 summarise Horizon's position with respect to Cemlyn Lagoon and Esgair Gemlyn. Horizon notes that NRW and the Secretary of State, as the competent authorities in respect of applications relating to the Wylfa Newydd Project, are ultimately responsible for assessing WFD compliance, including in respect of any Article 4(7) derogation. In order to assist this process, Horizon has prepared the Water Framework Directive Compliance Assessment (APP-444) and Information to Support Article 4(7) Derogation (APP-445).	N / A	See issues NRW124, NRW132, NRW133 and NRW135

Shadow Habitats Regulations Assessment (HRA)								
SOCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Securing mechanism for detailed mitigation post DCO	Further actions required to progress discussion on the issue
				Yellow		Horizon continues to liaise with NRW to ensure that materials can be made available to inform the assessment to inform this work.		
WFD – Cemaes bathing water								
NRW162	Baseline / Methodology / Modelling	Water quality	APP-444 8.26 Water Framework Directive Compliance Assessment APP-132 6.4.13 ES Volume D – WNDA Development D13 – The Marine Environment	Ongoing	NRW does not agree that the sewage modelling has been conducted appropriately or agree with the conclusion that “there are no effects predicted on the bathing water at Cemaes, and that the Wylfa Newydd Project is considered to be compliant with the Bathing Water Directive”. NRW consider that discharges of elevated suspended solids and sewage discharges into the marine environment has the potential to affect Cemaes Bathing Water. NRW advises that further modelling should be undertaken to examine how both the construction sewage discharge and site campus discharges (via the Dŵr Cymru Welsh Water (DCWW) sewage works) impact the Bathing Water. NRW also advises that further information is required regarding the suspended sediment modelling undertaken. NRW has reviewed additional modelling submitted by Horizon and initial view is that the modelling is satisfactory and demonstrates that Cemaes Bathing Water will not be impacted as a result of the project. NRW will confirm its advice following review of the information submitted at Deadline 6	At a meeting with NRW's Permitting team on 1 October 2018, it was agreed that further modelling would be undertaken using a different modelling approach to expand on the existing bacteria modelling to support the current conclusions contained in the Environmental Statement. The modelling being completed will examine the effect of using advection dispersion modelling rather than particle tracking (the existing modelling presented in the DCO application) and will include the output from existing DCWW asset. The outputs of the modelling showed that both approaches produced similar low results. The new modelling has been presented to NRW (19 th December) and some additional work has been completed to examine the influence of the work and the effects of increasing the T90 valued and to provide further justification for the modelling methods. This final technical note will be provided at Deadline 6 (19 th February).	Detailed mitigation measures to be secured through the Environmental Permit.	Final note on Bathing Waters being provided at Deadline 6 (19 February).
NRW164	Mitigation	Water Quality	APP-444 8.26 Water Framework Directive Compliance Assessment	Agreed	It is agreed that in the eventuality that additional modelling indicates there is a risk to Cemaes Bathing Water, as a result of the works proposed in the DCO application, then mitigation will need to be implemented.	N / A	Final note on Bathing Waters being provided at Deadline 6 (19 February).	

Table 4-9 Statement of Common Ground between the Natural Resources Wales and Horizon on issues contained within the draft Development Consent Order

Draft Development Consent Order							
SoCG ID	Baseline / Method / Modelling / Assessment / Mitigation	Issue	Evidence base	Status (Agree / Do not agree / Ongoing)	NRW Position	Horizon Position	Further actions required to progress discussion on the issue
NRW165	Baseline / Methodology / Modelling / Assessment / Mitigation	Marine jurisdiction	N / A	Ongoing	NRW is working with IACC, Welsh Government and Horizon to consider whether Horizon's proposal is acceptable and if so, how the proposal could be practically implemented. NRW aims to reach agreement between parties prior to the end of Examination		NRW to continue discussions with relevant stakeholders.
NRW166	Baseline / Methodology / Modelling / Assessment / Mitigation	CoCPs / Sub-CoCPs, CoOP and DCO Requirements	APP-029 3.1 Draft Development Consent Order REP2-031 – Deadline 2 submission – 8.6 Wylfa Newydd Code of Construction Practice REP2-032 – Deadline 2 submission – 8.7 Main Power Station Site sub-CoCP	Not Agreed	NRW advise that there is insufficient detail in the submitted Sub-CoCPs to demonstrate that construction activities will be managed appropriately. NRW also consider there is insufficient detail in the CoOP. See sections 4 and 5 in NRW's Written Representations. NRW advise that if the DCO is made, that detailed Sub-CoCPs, and a detailed CoOP, will need to be approved by the discharging authority, as well as NRW as a statutory consultee, ahead of the relevant activities taking place. We would expect this to be secured as a DCO Requirement. This will require an additional DCO Requirement to be incorporated into the draft DCO.	The Code of Construction Practice and the sub-CoCPs (updated versions of which were submitted at Deadline 5 (12 February 2019)) secure Horizon's commitment to mitigating construction-related environmental effects, demonstrating that Horizon will control the potential impacts of the Wylfa Newydd Project on people, businesses and the natural and historical environment. Its Horizon's view that the Code of Construction Practice and the sub-CoCPs 'management strategies' contain sufficient detail to demonstrate that the mitigation described in the Environmental Statement and other assessments will be secured.	No further action

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