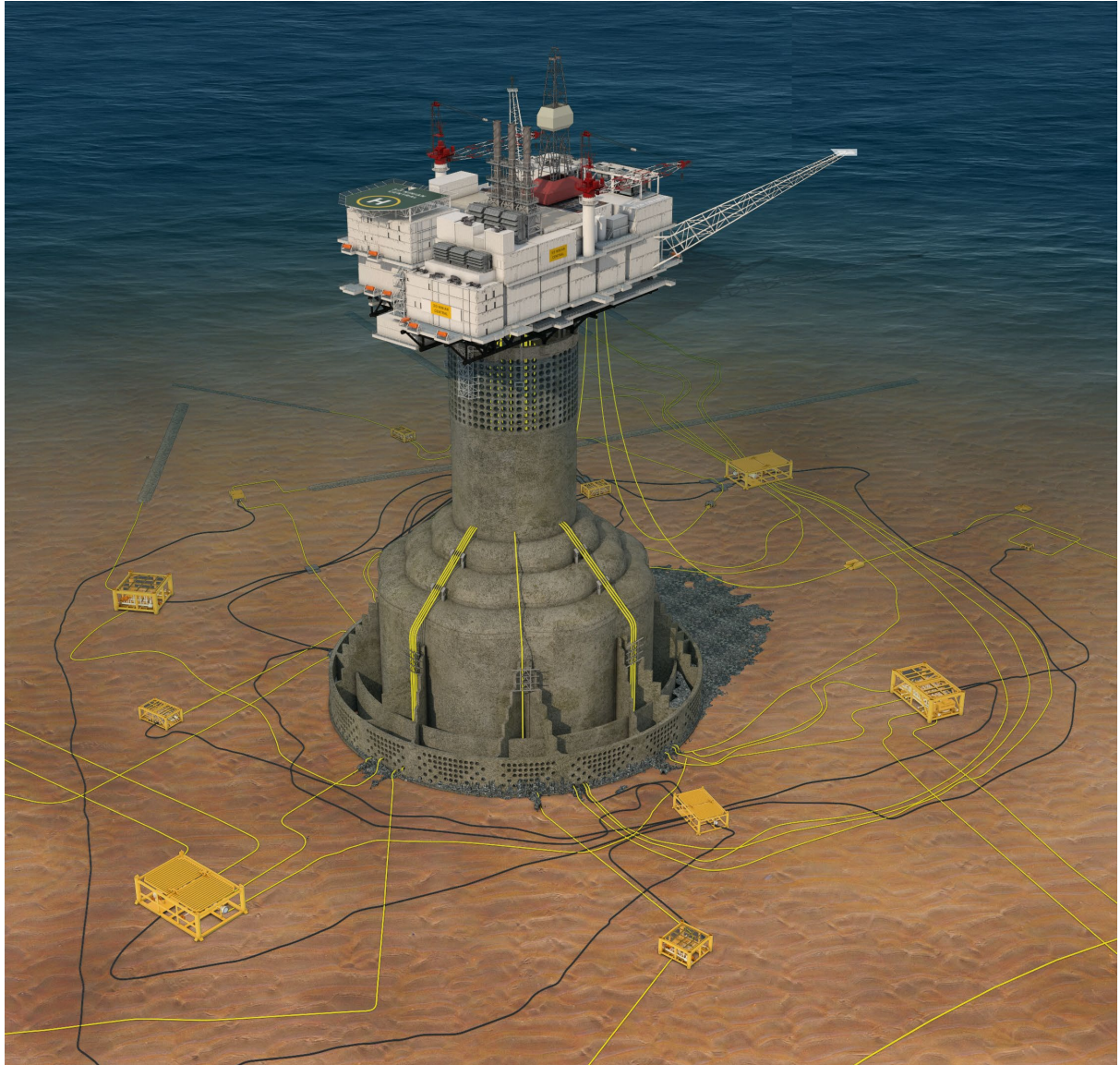


**CNR International**



# **NINIAN CENTRAL TOPSIDES AND ASSOCIATED RISER SECTIONS DECOMMISSIONING PROGRAMMES CONSULTATION DRAFT**

**September 2026**

**P0040-CNR-DE-PRG-00001**

### Document Control

#### Approvals

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| B4           | Consultation Draft                                        | Minor updates as required by OPRED                                       | 07/09/2026 |

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## **ABBREVIATIONS**

| <b>Abbreviation</b> | <b>Definition</b>                                                      |
|---------------------|------------------------------------------------------------------------|
| "                   | Inch                                                                   |
| ° ' "               | Degrees, Minutes, Seconds                                              |
| ALARP               | As Low As Reasonably Practical                                         |
| BAT                 | Best Available Techniques                                              |
| BEIS                | The Department of Business, Energy and Industrial Strategy (now DESNZ) |
| BEP                 | Best Environmental Practices                                           |
| BS&W                | Base Sediment and Water                                                |
| CCS                 | Carbon Capture and Storage                                             |
| CEFAS               | Centre for Environment, Fisheries and Aquaculture Science              |
| CGBS                | Concrete Gravity Based Structure                                       |
| CGF                 | Conductor Guide Frame                                                  |
| CNRI                | Canadian Natural Resources International (U.K.) Limited                |
| CO <sub>2</sub>     | Carbon Dioxide                                                         |
| CO <sub>2</sub> e   | Carbon Dioxide equivalent                                              |
| CoP                 | Cessation of Production                                                |
| DECC                | Department of Energy and Climate Change (now DESNZ)                    |
| DESNZ               | Department of Energy Security and Net Zero                             |
| DFPV                | Drain, Flush, Purge, Vent                                              |
| DP                  | Decommissioning Programme                                              |
| E                   | East                                                                   |
| EA                  | Environmental Appraisal                                                |
| EBS                 | Environmental Baseline Survey                                          |
| EC                  | European Community                                                     |
| EDC                 | Engineer Down and Clean                                                |
| EI                  | Elevation                                                              |
| ENVID               | Environmental Impact Identification                                    |
| EPS                 | European Protected Species                                             |
| EU                  | European Union                                                         |
| FGI                 | Fuel Gas Import                                                        |
| FLAGS               | Far North Liquids and Associated Gas System                            |
| FRA                 | Formal Risk Assessment                                                 |
| GMS                 | Global Marine Systems                                                  |
| HA                  | Habitat Assessment                                                     |
| HLV                 | Heavy Lift Vessel                                                      |
| HMPA                | Historic Marine Protected Species                                      |
| ICES                | International Council for the Exploration of the Sea                   |
| IMO                 | International Maritime Organisation                                    |
| INSITE              | Influence of man-made structures in the ecosystem                      |
| JNCC                | Joint Nature Conservation Committee                                    |

| Abbreviation | Definition                                                                                        |
|--------------|---------------------------------------------------------------------------------------------------|
| km           | Kilometre                                                                                         |
| LAT          | Lowest Astronomical Tide                                                                          |
| LSA          | Low Specific Activity                                                                             |
| m            | Metre                                                                                             |
| MARPOL       | The International Convention for the Prevention of Pollution from Ships                           |
| MASTS        | Marine Alliance for Science and Technology for Scotland                                           |
| MAT          | Master Application Template                                                                       |
| MBES         | Multi-Beam Echo Sounder                                                                           |
| MCA          | Maritime and Coastguard Agency                                                                    |
| MCAA         | Marine and Coastal Access Act (2009)                                                              |
| mm           | Millimetre                                                                                        |
| MM           | Million Metric                                                                                    |
| MoD          | Ministry of Defence                                                                               |
| MPA          | Marine Protected Area                                                                             |
| MSF          | Module Support Frame                                                                              |
| N            | North                                                                                             |
| N/A          | Not Applicable                                                                                    |
| NC MPA       | Nature Conservation Marine Protected Area                                                         |
| NCP          | Ninian Central Platform                                                                           |
| NCVE         | Ninian Central Valve Skid E                                                                       |
| NMP          | National Marine Plan                                                                              |
| NMPi         | National Marine Plan Interactive (database)                                                       |
| NNP          | Ninian Northern Platform                                                                          |
| NNS          | Northern North Sea                                                                                |
| NORM         | Naturally Occurring Radioactive Material                                                          |
| NPS          | Ninian Pipeline System                                                                            |
| NSP          | Ninian Southern Platform                                                                          |
| NSTA         | North Sea Transition Authority                                                                    |
| OEUK         | Offshore Energies UK                                                                              |
| OPEX         | Operating Expenditure                                                                             |
| OPPC         | The Offshore Petroleum Activities (Oil Pollution and Control) Regulations 2005                    |
| OPRED        | Offshore Petroleum Regulator for Environment and Decommissioning                                  |
| OSPAR        | Oslo and Paris Convention for the Protection of the Marine Environment of the North East Atlantic |
| P&A          | Plugging and Abandonment                                                                          |
| PCB          | Polychlorinated Biphenyl                                                                          |
| PETS         | Portal Environmental Tracking System                                                              |
| PFP          | Passive Fire Protection                                                                           |
| PL           | Pipeline (as in pipeline PWA number)                                                              |
| PL           | Platform (as in well category)                                                                    |

| Abbreviation | Definition                                |
|--------------|-------------------------------------------|
| PLU          | Umbilical (as in umbilical PWA number)    |
| PMF          | Priority Marine Feature                   |
| PWA          | Pipeline Works Authorisation              |
| RSPB         | Royal Society for the Protection of Birds |
| S            | South                                     |
| SAC          | Special Area of Conservation              |
| SAMS         | Scottish Association for Marine Science   |
| SAT          | Subsidiary Application Template           |
| SCAP         | Supply Chain Action Plan                  |
| SFG          | Strathspey Field Group                    |
| SHE          | Safety, Health and Environment            |
| SIMOPS       | Simultaneous Operations                   |
| SLV          | Single Lift Vessel                        |
| SMRU         | Sea Mammal Research Unit                  |
| SOPEP        | Shipboard Oil Pollution Emergency Plan    |
| SSIV         | Subsea Isolation Valve                    |
| SUDS         | Subsea Umbilical Distribution Skid        |
| SVT          | Sullom Voe Terminal                       |
| Te           | Tonne                                     |
| TFSW         | Trans-Frontier Shipment of Waste          |
| UK           | United Kingdom                            |
| UKCS         | United Kingdom Continental Shelf          |
| UKHO         | United Kingdom Hydrographic Office        |
| WDC          | Whale and Dolphin Conservation            |
| WGS84        | World Geodetic System 1984                |
| WLGP         | Western Leg Gas Pipeline                  |
| WONS         | Well Operation Notification System        |

## **HOLD POINTS**

| <b>HOLD</b> | <b>Section(s)</b> | <b>Description</b>                            |
|-------------|-------------------|-----------------------------------------------|
| 1           | 5.3               | Interested Party Consultation Comments        |
| 2           | Appendices        | Section 29 Notice Holders' Letters of Support |
| 3           | Appendices        | Public Notice                                 |
| 4           | Appendices        | Statutory Consultee Correspondence            |

## 1. EXECUTIVE SUMMARY

### 1.1. Decommissioning Programmes

This document contains nine Decommissioning Programmes (DPs) for the Ninian Central Platform (NCP) topsides, (part of the Ninian Field development), and the associated risers and umbilicals which extend down to the top of the sub-structure Jarlan Wall<sup>1</sup> as well as the entirety of catenary risers:

1. NCP topsides and appurtenances to be removed from the Upper CGBS
2. Upper riser section of pipelines PL70, PL71, PL72, PL162, PL917A, PL918A, PL919A, PL920A, PL921A, PL922A and PL923A, and entire flexible riser PL1999
3. Upper riser section of pipeline PL335
4. Upper umbilical riser section of umbilicals PL924 and PL925
5. Upper umbilical riser section of umbilical PLU6593
6. Upper umbilical riser section of umbilicals PLU4181 and PLU4182
7. Upper riser section of pipeline PL9
8. Upper riser section of pipeline PL139
9. Upper riser section of pipeline PL10

The proposed decommissioning plans for the topsides provided herein will in no way compromise the decommissioning plans for the substructure.

Separate programmes will be provided covering the remainder of the Ninian Field development including the NCP sub-structure, Ninian Southern Platform (NSP) Topsides and Upper Jacket, NSP Jacket Footings, the Lyell Field, the Strathspey Field and all other remaining Ninian Hub subsea infrastructure.

The NCP Topsides DP is supported by an ENVID (Environmental Impact Identification) Report [1], which is a separate document, summarised in Section 4.

### 1.2. Requirement for a Decommissioning Programme

In accordance with the Petroleum Act 1998, CNR International U.K. Limited (CNRI), as operator of the Ninian Central Topsides and associated riser Sections, on behalf of the equity partners and Section 29 notice holders of NCP (see Table 1-3 to Table 1-11), are applying to the Offshore Petroleum Regulator for Environment and Decommissioning (OPRED) to seek approval for decommissioning the installation detailed in Section 2.1 of these programmes. The Section 29 notice holders have adopted the DP as their own and they have agreed to be bound by it and to carry out its provisions, as may be approved or modified by the Secretary of State.

In conjunction with public, statutory and regulatory consultation, these decommissioning programmes are submitted in compliance with national and international regulations and BEIS Guidance Notes. The schedule outlined in this document is for ten years to prepare for and undertake topsides removal, commencing in 2024.

In terms of activities in the northern North Sea (NNS), the Scottish National Marine Plan (NMP) has been adopted by the Scottish Government to help ensure sustainable development of the marine area. The NMP is considered throughout this DP. The NMP was developed in line with UK, EU and OSPAR legislation, directives and guidance. With regards to decommissioning, the NMP states that:

*'Where re-use of oil and gas infrastructure is not practicable, either as part of oil and gas activity or by other sectors such as carbon capture and storage, decommissioning must take place in line with standard practice, and as allowed by international obligations. Re-use or removal of decommissioned assets from the seabed will be fully supported where practicable and adhering to relevant regulatory process'.*

---

<sup>1</sup> Jarlan Wall – perforated wall designed to dampen wave action

CNRI has given due consideration throughout this DP to the NMP during the decision-making process and the interactions between the decommissioning activities and the NMP. The specific policies adopted are summarised in Table 1-1 below.

| Table 1-1: Scottish National Marine Plan policies relevant to NCP operations |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Policy                                                                       | Title                          | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GEN-1                                                                        | General planning and principle | Development and use of the marine area should be consistent with NMP, ensuring activities are undertaken in a sustainable manner that protects and enhances Scotland's natural and historic marine environment. CNRI will ensure that any potential impacts associated with operations will be kept to a minimum.                                                                                                                                                                                                                                             |
| GEN-5                                                                        | Climate change                 | Marine planners and decision makers should seek to facilitate a transition to a low carbon economy. They should consider ways to reduce emissions of carbon and other greenhouse gasses. CNRI will seek to minimise any potential impacts associated with operations                                                                                                                                                                                                                                                                                          |
| GEN-9                                                                        | Natural heritage               | <p>Development and use of the marine environment must:</p> <ul style="list-style-type: none"> <li>• Comply with legal requirements for protected areas and protected species.</li> <li>• Not result in significant impact on the national status of Priority Marine Features.</li> <li>• Protect and, where appropriate, enhance the health of the marine area.</li> </ul> <p>CNRI will seek to minimise any potential impacts to protected species and sites associated with operations</p>                                                                  |
| GEN-12                                                                       | Water quality and resource     | Developments and activities should not result in a deterioration of the quality of waters to which the Water Framework Directive, Marine Strategy Framework Directive or other related Directives apply. CNRI will seek to minimise any potential impacts to water quality associated with operations.                                                                                                                                                                                                                                                        |
| GEN-14                                                                       | Air quality                    | Development and use of the marine environment should not result in the deterioration of air quality and should not breach any statutory air quality limits. Some development and use may result in increased emissions to air, including particulate matter and gasses. Impacts on relevant statutory air quality limits must be taken into account and mitigation measures adopted, if necessary, to allow an activity to proceed within these limits. CNRI will ensure that any potential impacts to air quality with operations will be kept to a minimum. |
| GEN-21                                                                       | Cumulative impacts             | Cumulative impacts affecting the ecosystem of the marine plan area should be addressed in decision making and plan implementation. CNRI will ensure that any potential impacts to air and water quality and biological communities associated with operations will be kept to a minimum.                                                                                                                                                                                                                                                                      |

### 1.3. Introduction

NCP is located in the UK sector of the northern North Sea, approximately 120 km East of the Shetland Islands and is approximately 460 km North-North-East of Aberdeen in UKCS Block 3/3 (ref. Figure 1-1). The Ninian Field development comprised three platforms, NCP, NSP and Ninian Northern Platform (NNP). Decommissioning of NNP was completed in accordance with its approved DP, between 2017 and 2022.

NCP was installed in May 1978. The platform was designed to operate as a drilling, production and process facility. Production commenced from NCP in April 1979.



**Figure 1-1 Ninian Field and Ninian Central Platform Location**

NCP is supported by a concrete gravity based sub-structure (CGBS), and standing in a water depth of 133.3 metres at Lowest Astronomical Tide (LAT).

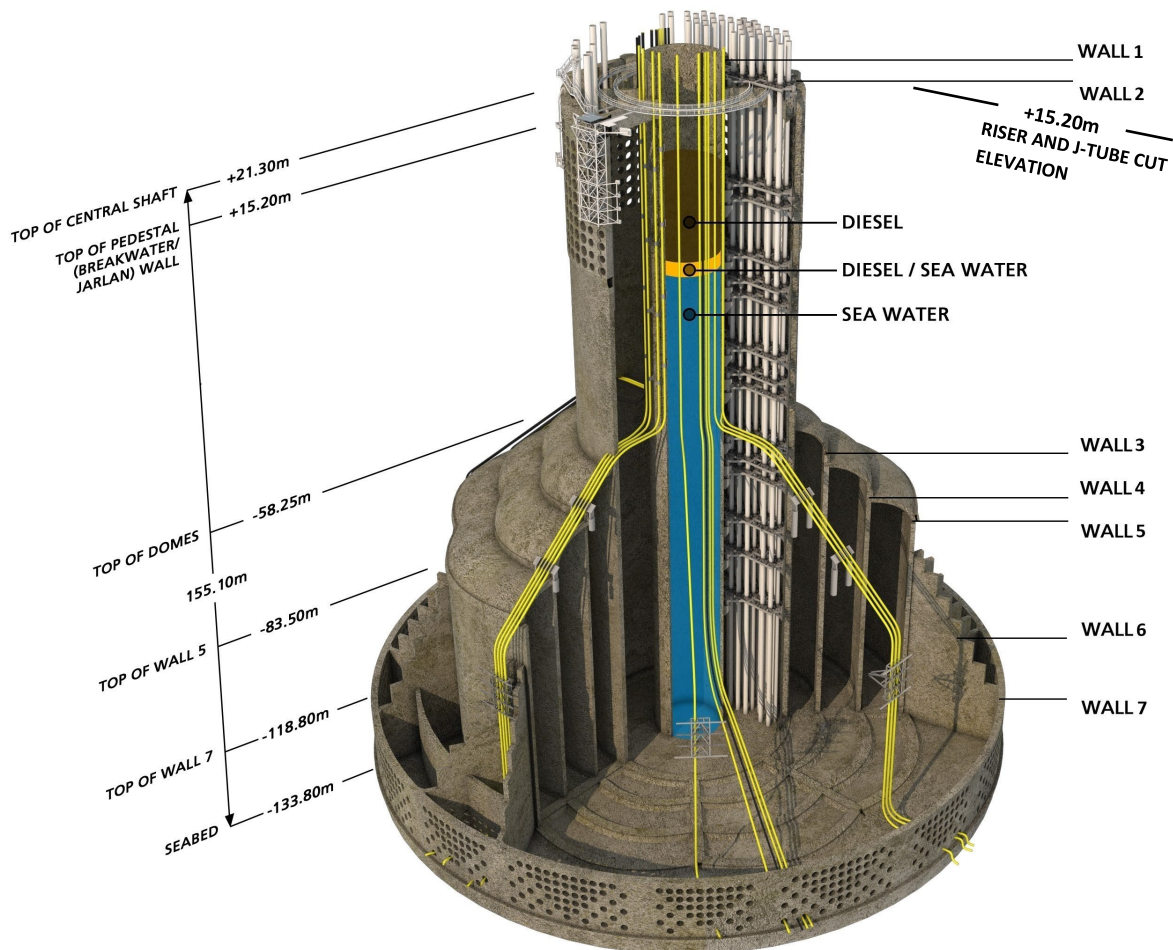
The process systems on NCP are designed to separate reservoir fluids into gas, oil and produced water. The gas is processed to supply fuel gas and purge gas. The oil is separated to less than 2% base sediment and water (BS&W) and exported via pipeline PL10 to Sullom Voe Terminal (SVT). The produced water is processed to achieve an oil content of less than 20 mg/l oil and then discharged to the sea.

NCP provides services for third party import including: oil receipt; export to SVT (PL10); pigging receipt, including routing of fluids to drains and venting to flare; chemical injection for fluids entering PL10. Third parties have requested extended provision of existing oil export services beyond NCP Cessation of Production (CoP).

The NCP Fuel Gas Import (FGI) system is provided to import fuel gas by reverse flow from the FLAGS pipeline via import riser on NCP. The system is capable of delivering imported fuel gas to the Ninian South inter-field fuel gas pipeline.

The concrete sub-structure, originally designed by Howard Doris, has an overall height of 155 metres and is circular in plan, ref. Figure 1-2. The base of the sub-structure is a 140 metre diameter base slab which

supports seven concentric circular walls which are braced by eight radial diaphragm walls. The base and all walls are bound into a single structural unit by a complex system of steel reinforcement and pre-stressed cables encased within the concrete. The structure is restrained laterally by a pattern of steel skirts which penetrate 4 metres into the clay subsoil. The 'compartments' represent the annuli formed by walls 2 to 5 which are capped by concrete domes for ballasting purposes.



**Figure 1-2 NCP Overview Showing Substructure Concentric Wall Layout (Cut-away View)**

Following a thorough review there is no evidence to suggest the concrete compartments in the base of the structure were ever used for oil storage. A lengthy data search of the original construction and operations documentation provided by the previous owners of NCP has been performed to ascertain the historical and current status of the concrete compartments. After careful examination of the data, including third party inspection reports and discussion with the original design engineers Doris, it appears that whilst consideration was given during design to using the compartments as oil storage, this option was subsequently discarded at an early stage of the platform construction. In addition, the export pipeline to Shetland (Ninian Pipeline 'PL10') was available at the time of NCP first oil in April 1979, removing a requirement for temporary storage. The compartments were used for ballasting purposes during construction, tow-out, and final set-down on the seabed, following which the ballasting control equipment was removed. The ballast material consists of a pumped concrete or fly ash / gravel mix, 100 mm down gravel, and water. This was used during wet dock stages for stability and to reduce the working heights above sea level. Once in position at the Ninian Field, the concrete (ballast) compartments were filled with seawater to displace the air used for floatation during construction and tow out.

The two central walls are the Central Shaft (wall 1) and the Breakwater (Jarlan) Wall (wall 2), which both rise above sea level to provide support for the module support frame (MSF) and modules. The central shaft which provided storage capacity for drilling water and diesel, was flooded with sea water at the base of the

shaft in 2004. This necessitated an alternative approach for diesel storage. The diesel is now sitting on top of the water column within the Central Shaft, with no route for it to escape via the point of water ingress at the base of the shaft. The stored diesel will be removed from the Central Shaft to topsides storage as part of preparation for topsides removal. This activity will be undertaken by a specialist contractor using appropriate equipment to maximise diesel recovery. Diesel removed from the shaft will either be utilised for power generation on the platform or transported onshore for cleaning and reuse, subject to condition and sampling.

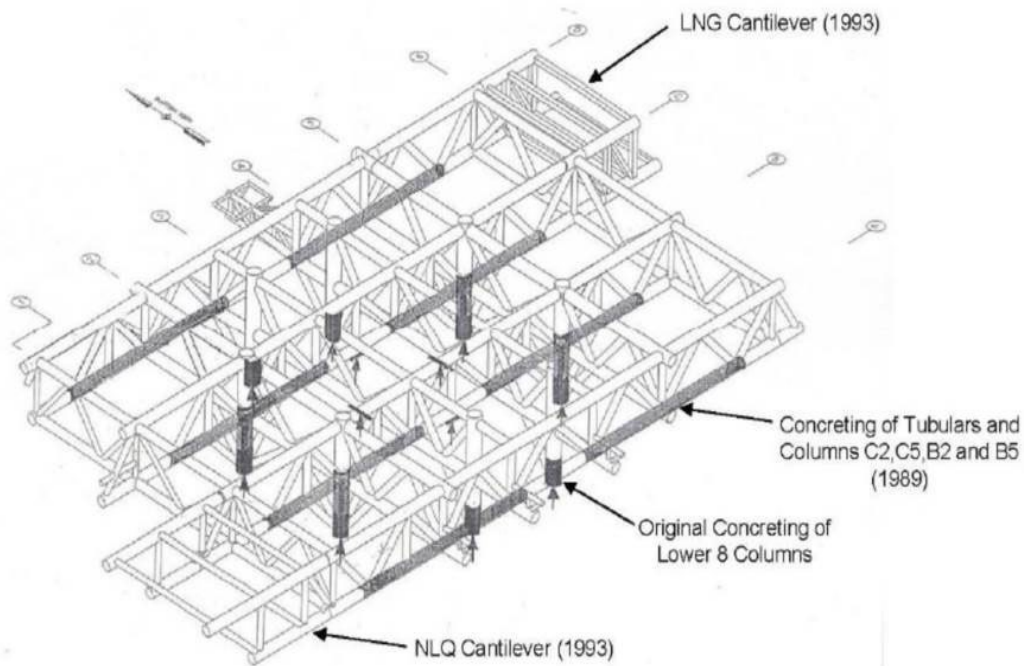
Samples will be taken from below the surface within the shaft to confirm the oil in water (OIW) concentration of the water column, with cleaning of the column surface continuing until the target cleanliness criteria is achieved. In addition, a visual inspection of the surface, using a spy ball camera, will be completed. This approach demonstrates compliance with BAT/BEP principles. Any residual diesel in the shaft will remain contained, with no potential pathway to the marine environment and this status will not be changed by removal of the topsides. This containment is assured by the elevation difference between the water surface within the shaft, providing a 12 m margin.

Management of the diesel removal would be subject to The Offshore Petroleum Activities (Oil Pollution and Control) Regulations 2005 (OPPC) and permitting, should there be any disposal of contaminated fluids in an offshore setting. As the proposed activity does not involve any discharge of diesel to the marine environment, an OPPC permit will not be sought.

A communication path may exist between the ballast system and the Central Shaft; this communication path presents no risk to the environment due to the known contents of ballast system. Removal of the topsides does not change this.

Risers and J-tubes are supported off the external wall of the Central Shaft, ref. Figure 1-2 with the exception of PL1999, PL4383 and PLU4384 which are flexible catenaries hanging from the topsides. The splash zone section of wall 2 is a perforated Jarlan Wall, designed to act as a breakwater. Caissons are supported off the inside face of wall 2. Conductor guide frames (CGFs) are supported between walls 1 and 2. All other walls are submerged. The annuli formed by walls 2 to 5 are capped by precast concrete domes to form sealed compartments which are filled with seawater and solid ballast. Circular walls 6 and 7 act as stiffeners for the base slab and diaphragm walls. In addition, wall 7 is perforated to provide an anti-scour facility.

The CGBS supports a steel MSF upon which the platform topsides sits, ref. Figure 1-3. The MSF consists of four longitudinal and six transverse trusses fabricated from large diameter steel tube. It has eight tubular legs which are supported, via laminated neoprene / steel bearings, on strengthened concrete pedestals built into the top of wall 2. The eight leg bearings transfer the weight of the topsides to the Jarlan Wall and accommodate relative deflections and rotations in the MSF and between the Central Shaft and the Jarlan Wall which effectively ties down the centre of the deck. The MSF is rigidly fastened to the top of the Central Shaft. In 1979, the MSF was strengthened by filling sections of the lower tubular structural members with concrete.



**Figure 1-3 Module Support Frame showing grouting**

CoP is currently planned to take place between 31<sup>st</sup> December 2026 and 30<sup>th</sup> June 2027. Updates to the planned CoP date will be provided to the North Sea Transition Authority (NSTA) through CNRI's annual stewardship survey and regular stewardship meetings with *ad hoc* meetings scheduled if required. The NSTA will be informed in writing once CoP has occurred.

Following public, statutory and regulatory consultation, these decommissioning programmes are submitted without derogation and in compliance with BEIS Guidance Notes. The decommissioning programmes explain the principles of the removal activities and are supported by an Environmental Impact Identification (ENVID) assessment.

These decommissioning programmes will be to:

- Plug and abandon platform wells.
- Fully remove the topsides, including the module support frame down to the top of the Jarlan Wall, El. +15.2 m LAT<sup>2</sup>.
- Fully remove sections of pipeline and umbilical risers between the topsides and the top of the Jarlan Wall, El. +15.2 m LAT<sup>3</sup>.
- Remove appurtenances from upper CGBS including escape to sea ladders, external stair towers, mooring points above LAT, boat landing platform, bell transfer trolley, Jarlan Wall walkways / handrails etc. and potentially the CGF<sup>4</sup> at El.+15.2 m.

Following platform down person suitable navigational aids will be installed on to the topsides to mitigate the potential risk of ship collision. Following topsides removal, the navigational aids will be transferred to the remaining sub-structure (or replaced with alternative models), again to mitigate the potential risk of ship collision. Further details are provided within Section 6.6.

The pipelines and umbilicals below the platform cut point and the subsea infrastructure adjacent to the

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<sup>2</sup> The final cut elevation will be defined following detailed design and engineering by the removal contractor.

<sup>3</sup> Except for risers with dead weight supports (DWS) above Jarlan Wall: PL71 (+16.35 LAT), PL917A (+17.48 LAT) and PL72 (+17.48 LAT).

<sup>4</sup> Subject to further assessment.

platform will be decommissioned at a later stage, in line with the wider Ninian Field decommissioning, and will be covered by separate programmes. Pipelines within the field are either tied back to NCP and/or NSP, therefore decommissioning the infrastructure within the Ninian Field allows for efficient field wide decommissioning activity. The NCP risers and umbilicals that are routed through the CGBS will be separated at the top of the Jarlan Wall.

## 1.4. Overview of Installation Being Decommissioned

### 1.4.1. Installation

| Table 1-2: Installation Being Decommissioned |                                          |                                                 |                                    |
|----------------------------------------------|------------------------------------------|-------------------------------------------------|------------------------------------|
| <b>Field:</b>                                | Ninian                                   | <b>Production Type<br/>(Oil/Gas/Condensate)</b> | Oil                                |
| <b>Water Depth (m)</b>                       | 133.3                                    | <b>UKCS block</b>                               | 3/3a                               |
| Surface Installation                         |                                          |                                                 |                                    |
| Number                                       | Type                                     | Topsides Weight<br>(Te)                         | Sub-structure Weight<br>(Te)       |
| 1                                            | Topsides                                 | 38,725 <sup>Note 1</sup>                        | N/A                                |
| Subsea Installation                          |                                          | Number of Wells                                 |                                    |
| Number                                       | Type                                     | Platform                                        | Subsea                             |
| None                                         | None                                     | 42                                              | None                               |
| Drill Cuttings pile                          |                                          | Distance to median                              | Distance from nearest UK coastline |
| Number of Piles                              | Total Estimated volume (m <sup>3</sup> ) | km                                              | km                                 |
| None <sup>Note 2</sup>                       | None                                     | 23                                              | 120                                |

Notes:

1. Inclusive of module support frame.
2. There is a drill cuttings pile beneath and alongside NCP. This is covered within the Ninian Central Platform Substructure Decommissioning Programme. Operations covered under this DP that have the potential to impact the drill cuttings are removal of the catenary risers, PL1999, PL4384 and PLU4384. These operations are addressed under Section 4.2.

| Table 1-3: Installation Section 29 Notice Holders Details |                     |                     |
|-----------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                 | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Limited                          | 00813187            | 100                 |
| Eni UK Limited                                            | 00862823            | 0                   |
| NEO Next+ Energy Petroleum Limited                        | 03288689            | 0                   |

| Table 1-4: Riser Section 29 Notice Holders Details – PL70, PL162, PL918A, PL919A, PL920A, PL921A, PL922A, PL923A <sup>Note 1</sup> / PL71, PL72 & PL917A1 <sup>Note 2</sup> / PL1999 <sup>Note 3</sup> |                     |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                                                                                                                                              | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Limited                                                                                                                                                                       | 00813187            | 100                 |
| Eni UK Limited                                                                                                                                                                                         | 00862823            | 0                   |
| NEO Next+ Energy Petroleum Limited                                                                                                                                                                     | 03288689            | 0                   |

Notes:

1. PL70, PL162, PL918A, PL919A, PL920A, PL921A, PL922A & PL923A sections above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.
2. Risers with dead weight supports (DWS) above Jarlan Wall: PL71 (+16.35 LAT), PL917A (+17.48 LAT) and PL72 (+17.48 LAT)
3. PL1999 entire flexible riser from topsides hang-off to seabed tie-in flange.

| Table 1-5: Riser Section 29 Notice Holders Details – PL335 <sup>Note 1</sup> |                     |                     |
|------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                    | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Limited                                             | 00813187            | 100                 |

Notes:

1. PL335 section above cut elevation +15.2 m (LAT). Ref. Table 2 2 for pipeline details.

| Table 1-6: Riser Section 29 Notice Holders Details – PL924 & PL925 <sup>Note 1</sup> |                     |                     |
|--------------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                            | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Developments Limited                                        | 01021629            | 100                 |
| Ithaca Oil and Gas Limited                                                           | 01546623            | 0                   |
| Esso Exploration and Production UK Limited                                           | 00207426            | 0                   |
| Shell U.K. Limited                                                                   | 00140141            | 0                   |

Notes:

1. PL924 and PL925 umbilical sections above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

| Table 1-7: Riser Section 29 Notice Holders Details – PLU6593 <sup>Note 1</sup> |                     |                     |
|--------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                      | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Developments Limited                                  | 01021629            | 100                 |

Notes:

1. 1. PLU6593 umbilical section above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

| Table 1-8: Riser Section 29 Notice Holders Details – PLU4181 & PLU4182 <sup>Note 1</sup> |                     |                     |
|------------------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                                | Registration Number | Equity Interest (%) |
| CNR International (U.K.) Limited                                                         | 00813187            | 100                 |
| NEO Next+ Energy Petroleum Limited                                                       | 03288689            | 0                   |

Notes:

1. PLU4181 and PLU4182 umbilical sections above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

| Table 1-9: Riser Section 29 Notice Holders Details – PL9 <sup>Note 1, 2</sup> |                     |                     |
|-------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                     | Registration Number | Equity Interest (%) |
| BG Great Britain Limited                                                      | 00909162            | 31.25               |
| EnQuest Heather Limited                                                       | 02748866            | 37.50               |
| Ithaca Oil and Gas Limited                                                    | 01546623            | 31.25               |

Notes:

1. CNRI are submitting the DP on behalf of the Section 29 holders as listed.
2. PL9 section above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

| Table 1-10: Riser Section 29 Notice Holders Details – PL139 <sup>Note 1, 2</sup> |                     |                     |
|----------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                        | Registration Number | Equity Interest (%) |
| BP Exploration Operating Company Limited                                         | 00305943            | 100                 |
| EnQuest Heather Limited                                                          | 02748866            | 0                   |

Notes:

1. CNRI are submitting the DP on behalf of the Section 29 holders as listed.
2. PL139 section above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

| Table 1-11: Riser Section 29 Notice Holders Details – PL10 <sup>Note 1</sup> |                     |                     |
|------------------------------------------------------------------------------|---------------------|---------------------|
| Section 29 Notice Holders                                                    | Registration Number | Equity Interest (%) |
| Chevron Britain Limited                                                      | 01006065            | 2.26                |
| CNR International (U.K.) Limited                                             | 00813187            | 63.33               |
| EnQuest Heather Limited                                                      | 02748866            | 18.05               |
| NEO Next+ E&P UK Limited                                                     | 00811900            | 16.36               |
| BP Exploration Operating Company Limited                                     | 00305943            | 0                   |
| Ithaca Oil and Gas Limited                                                   | 01546623            | 0                   |

Notes:

1. PL10 section above cut elevation +15.2 m (LAT). Ref. Table 2-2 for pipeline details.

#### 1.4.2. Third Party Infrastructure

As a hub facility, NCP hosts third party infrastructure which is not covered by this DP, but which will be removed along with the topsides.

| Table 1-12: Third Party Riser Sections |                       |                                                                       |
|----------------------------------------|-----------------------|-----------------------------------------------------------------------|
| Third Party Infrastructure             | Third Party Operator  | Infrastructure                                                        |
| PL4383                                 | Serica Energy Limited | Entire flexible riser from topsides hang-off to seabed tie-in flange. |
| PLU4384                                |                       |                                                                       |

## 1.5. Summary of Proposed Decommissioning Programme

| Table 1-13: Summary of Decommissioning Programmes                      |                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Selected Option                                                        | Reason for Selection                                                                                                                             | Proposed Decommissioning Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>1. Topsides and appurtenances to be removed from the Upper CGBS</b> |                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCP topsides:<br>Complete removal of topsides                          | Meets regulatory requirements and maximises the opportunity for re-use or recycling of material.                                                 | Cleaned equipment refurbished for re-use where possible. Equipment which cannot be re-used will be decontaminated and recycled or disposed of at an approved onshore disposal facility.<br>Appurtenances shall be recycled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>2. Wax Management</b>                                               |                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Management of wax within pipelines.                                    | To minimise hydrocarbon loss to sea during eventual disconnection of pipelines at the seabed riser tie-ins (covered within NCP sub-structure DP) | Wax is expected in the oil pipelines from Strathspey (PL918, PL919, PL920 and PL921) and NSP (PL1999). Flushing and pigging operations to facilitate disconnections, have been discussed and agreed with OPRED as a basis for demonstrating that BAT/BEP has been achieved and reasonable endeavours to remove wax have been attempted. Wax removal will generally be addressed via the following methodology: <ol style="list-style-type: none"> <li>1. Enhanced pigging just pre-CoP.</li> <li>2. Flushed during platform Engineer Down and Clean (EDC) activities.</li> <li>3. Further flushing and/or pigging at pipeline EDC to meet cleanliness spec – verified via sampling on NCP where possible. Assess residual wax within the pipelines.</li> <li>4. Leave seawater filled and air gapped at NCP topsides tie-ins.</li> </ol> Residual wax – following the above defined flushing and pigging steps and prior to riser disconnection, the quantity of residual wax |

| Table 1-13: Summary of Decommissioning Programmes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Selected Option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reason for Selection                                                                       | Proposed Decommissioning Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            | within the risers will be determined. Discharge risk assessments and other mitigations will be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>3. Pipelines, Flowlines &amp; Umbilicals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Removal of risers and umbilicals above the top of the Jarlan Wall.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sections of risers between topsides and top of Jarlan Wall have to be removed in parallel. | Sections of risers and umbilicals will be internally flushed and cleaned, removed and returned to shore for appropriate recycling or disposal. Pipeline Works Authorisation (PWA) variation applications will be submitted as appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>4. Wells</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Abandoned in accordance with OEUK Guidelines for Well Decommissioning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Meets regulatory requirements.                                                             | <p>A WONS / Portal Environmental Tracking System (PETS) / Marine Licence application under the relevant regulations will be submitted in support of the works planned to be carried out to NSTA and OPRED respectively.</p> <p>The external condition of the conductors and connectors cannot be assessed as ROV access within the CGBS is very limited, approximately 30 m below LAT, due to debris hung upon the CGFs. Above the seabed, the conductors will be cut corresponding to the topsides removal elevation, no higher than the CGF at the top of the Jarlan Wall (ref. Figure 1-2) as the conductor connectors are known to be in very poor condition internally, the majority having failed. An attempt to recover conductors below this elevation is considered to be high risk due to the uncertain integrity.</p> <p>Removed sections shall be transported to shore for recycling. Once the cut heights are determined OPRED will be advised of the elevations.</p> |
| <b>5. Interdependencies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>The NSP and the Strathspey subsea fields which exported via NCP have already have reached CoP and therefore will not be affected by CoP of NCP.</p> <p>The Strathspey Field reached CoP at the end of 2024 and therefore will not be affected by CoP of NCP.</p> <p>The Strathspey subsea wells will be AB3 abandoned following platform down person.</p> <p>The EnQuest operated Heather Field has previously reached CoP and therefore will not be affected by CoP of NCP.</p> <p>Following disconnection, the Strathspey wells are not expected to require continuous monitoring through to AB3 abandonment. Until abandonment is completed, the wells will be managed in accordance with CNRI's well management system. Each well will be assessed to comply with the company's requirements to maintain integrity and, where relevant, will stipulate the need for a Formal Risk Assessment (FRA). The FRAs will be prepared to cover the condition of applicable wells in accordance with CNRI's Risk</p> |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Table 1-13: Summary of Decommissioning Programmes**

| Selected Option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reason for Selection | Proposed Decommissioning Solution |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------|
| <p>Assessment Procedure. The level of monitoring will be determined by the FRAs.</p> <p>Operating third party fields whose oil export is routed through NCP are NEO Next+ E&amp;P UK Limited's North Alwyn Hub and EnQuest's Magnus Field. Alwyn Hub and Magnus Field Owners have identified these facilities have economic production beyond NCP CoP. Ninian Central Owners will continue to support Magnus and Alwyn Owners in implementing their request for a bypass project around NCP, including providing a potential interim up-and-over service to the extent that the NCP decommissioning schedule allows before the bypass is in place, to avoid Alwyn and Magnus production being stranded, subject to separate commercial agreements, necessary regulatory approvals, technical feasibility and operational constraints.</p> <p>Serica Energy's Orlando Field produces via NCP process systems and is then exported with Ninian Field hydrocarbons. The export of oil from NCP uses Ninian Pipeline System (NPS) PL10 pipeline to SVT.</p> <p>NCP topsides are not expected to be removed before 2029.</p> |                      |                                   |

**Table 1-14: Adjacent Facilities**

| Owner     | Name                           | Type                                   | Distance / Direction                                             | Information                                | Status      |
|-----------|--------------------------------|----------------------------------------|------------------------------------------------------------------|--------------------------------------------|-------------|
| CNRI      | Ninian Southern Platform (NSP) | Platform                               | 7 Km / S                                                         | Import PL1999 tie in from NSP              | Shut-in     |
| CNRI      | Lyell Field                    | Subsea Field                           | 11.7 Km / WNW                                                    |                                            | Shut-in     |
| CNRI      | Columba E Field                | Subsea Field                           | 12.8 km S                                                        |                                            | Shut-in     |
| NEO Next+ | Alwyn North Platform           | Platform                               | 15.6 Km / E                                                      |                                            | Operational |
| EnQuest   | Heather Platform               | Platform                               | 30.8 Km / WNW                                                    |                                            | Shut-in     |
| CNRI      | Strathspey Field               | Subsea Field                           | 14.9 Km / NE                                                     |                                            | Shut-in     |
| CNRI      | PLU2050                        | Control Umbilical                      | 6 km to South of NCP                                             | From SSIV NSVA To SSIV NSVM                | Disused     |
| CNRI      | PL72A                          | 8" Gas Flexible Spool                  | South side of NCP                                                | Disconnected fuel gas jumper to NSP        | Disused     |
| CNRI      | PL1999                         | 10" Dynamic Riser / 10" Rigid Pipeline | Flexible catenary riser suspended from East face of NCP topsides | NSP To NCP Oil Export                      | Disused     |
| CNRI      | PL70                           | 24" Rigid Pipeline                     | South side of NCP                                                | NSP Oil Export Pipeline                    | Disused     |
| SFG       | PL870B                         | 12" Flexible Pipeline                  | 1 km / E                                                         | NSP to Strathspey Water Injection Pipeline | Disused     |

Table 1-14: Adjacent Facilities

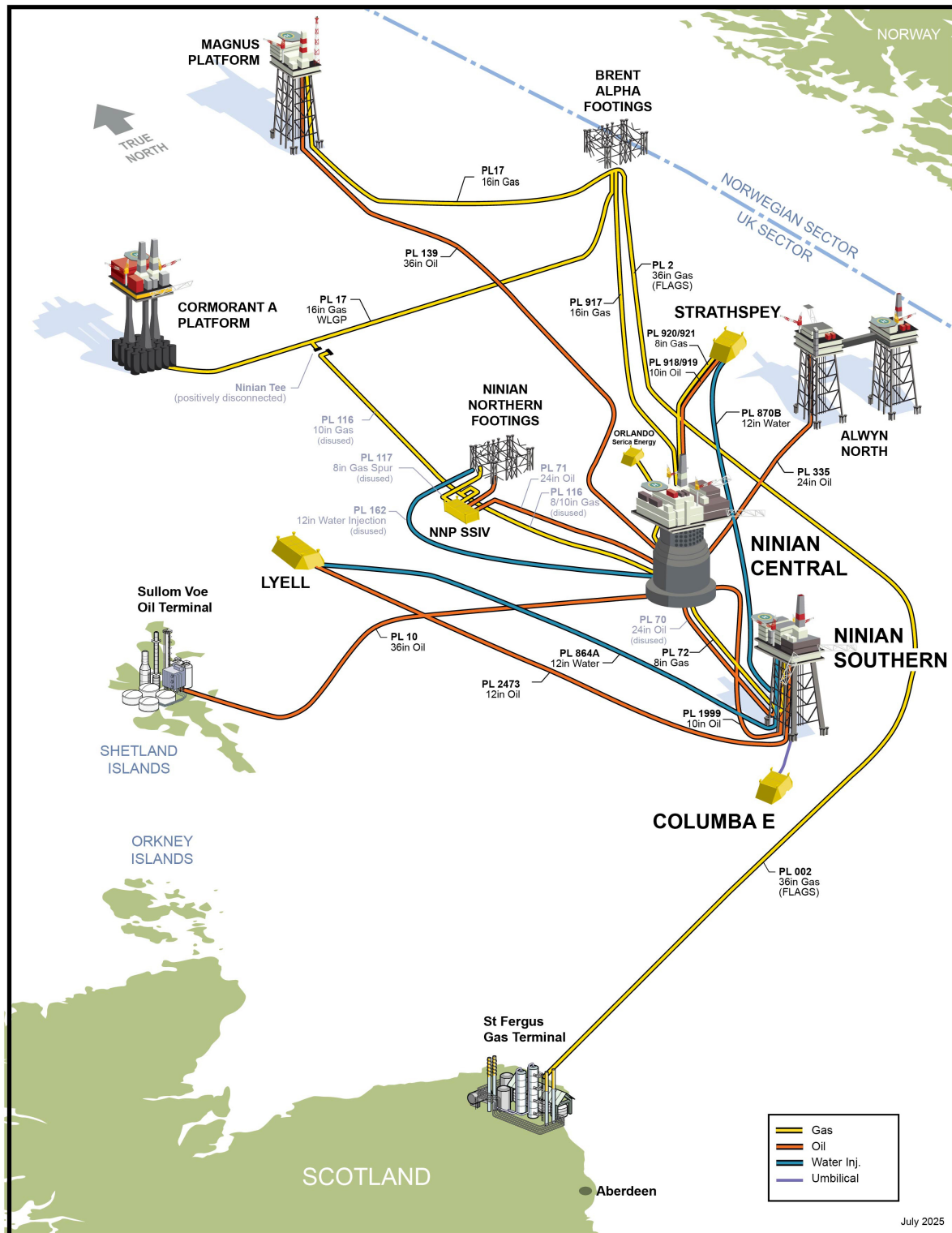
| Owner   | Name    | Type               | Distance / Direction   | Information                              | Status      |
|---------|---------|--------------------|------------------------|------------------------------------------|-------------|
| CNRI    | PL72    | 8" Rigid Pipeline  | South side of NCP      | NSP Gas Import Pipeline                  | Disused     |
| SFG     | PL870A  | 12" Rigid Pipeline | 1 km / E               | NSP To Strathspey                        | Disused     |
| SFG     | PL920   | 8" pipeline        | North side of NCP      | Strathspey to NCP                        | Disused     |
| SFG     | PL925   | 3" pipeline        | North side of NCP      | NCP to Strathspey                        | Disused     |
| SFG     | PL918   | 10" pipeline       | North side of NCP      | Strathspey to NCP                        | Disused     |
| SFG     | PL919   | 8" pipeline        | South side of NCP      | Strathspey to NCP                        | Disused     |
| CNRI    | PL116   | 10" pipeline       | South side of NCP      | NCP to NNP                               | Disused     |
| SFG     | PL921   | 8" pipeline        | South side of NCP      | Strathspey to NCP                        | Disused     |
| SFG     | PL924   | Umbilical          | North side of NCP      | NCP to Strathspey                        | Disused     |
| SFG     | PLU6593 | Umbilical          | North side of NCP      | NCP to Strathspey                        | Disused     |
| SFG     | PL923   | 3" pipeline        | South side of NCP      | NCP to Strathspey. Piggybacked to PL921  | Disused     |
| SFG     | PL922   | 4" pipeline        | South side of NCP      | NCP to Strathspey. Piggybacked to PL918. | Disused     |
| SFG     | PLU6595 | Umbilical          | North side of NCP      | SUDS NCVK to SSIV NCVJ                   | Disused     |
| CNRI    | PL71    | 24" pipeline       | West side of NCP       | NNP to NCP                               | Disused     |
| CNRI    | PL162   | 12" pipeline       | North side of NCP      | NCP to NNP                               | Disused     |
| CNRI    | PL917   | 16" pipeline       | West side of NCP       | NCP to Brent WLGP                        | Operational |
| CNRI    | PLU4265 | Umbilical          | SW side of NCP         | NCP to NCVC                              | Disused     |
| CNRI    | PLU4182 | Umbilical          | 0.1 km to South of NCP | NCP to NCVE                              | Operational |
| CNRI    | PLU6685 | Umbilical          | South side of NCP      | Control Pod NCVE to SSIV NCVD            | Disused     |
| EnQuest | PL139   | 24" pipeline       | North side of NCP      | Magnus to NCP                            | Operational |
| EnQuest | PL9     | 16" pipeline       | West side of NCP       | Heather to Ninian                        | Disused     |

| Table 1-14: Adjacent Facilities |                           |                     |                                              |                                                                                                      |             |
|---------------------------------|---------------------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------|-------------|
| Owner                           | Name                      | Type                | Distance / Direction                         | Information                                                                                          | Status      |
| CNRI                            | PLU6683                   | Umbilical           | West side of NCP                             | Abandoned umbilical                                                                                  | Disused     |
| NPS                             | PLU6222                   | Umbilical           | South side of NCP                            | Control Pod NCVE to SSIV NCVG                                                                        | Operational |
| NPS                             | PL10                      | 36" pipeline        | SW of NCP                                    | NCP to SVT                                                                                           | Operational |
| Serica Energy                   | PLU4384                   | Umbilical           | East side of NCP                             | Orlando to Ninian SSIV control                                                                       | Operational |
| Serica Energy                   | PL4383                    | 7" pipeline         | East side of NCP                             | Orlando to NCP                                                                                       | Operational |
| CNRI                            | PLU6298 <sup>Note 1</sup> | Umbilical           | 0.1 km to South of NCP                       | NCP to SSIV - umbilical for PL335                                                                    | Operational |
| CNRI / NEO Next+ E&P            | PL335 <sup>Note 2</sup>   | 12" Pipeline        | North face of NCP then running directly East | Alwyn NAB - NCP                                                                                      | Operational |
| CNRI                            | Control Pod NCVE          | Subsea Installation | South of NCP                                 | Subsea control pod for NCP, and Strathspey gas and liquids flow control. (& 3 <sup>rd</sup> parties) | Operational |
| SFG                             | SUDS NCVK                 | Subsea Installation | East of NCP                                  | Controls distribution for Strathspey Field                                                           | Disused     |
| CNRI                            | SSIV NCVC                 | Subsea Installation | West side of NCP                             | SSIV for oil import from NNP and fuel gas supply to NNP                                              | Disused     |
| EnQuest                         | SSIV NCVG                 | Subsea Installation | South of NCP                                 | Oil export to SVT                                                                                    | Operational |
| EnQuest                         | SSIV NCVH                 | Subsea Installation | NW of NCP                                    | Oil import from Magnus Field                                                                         | Operational |
| SFG                             | SSIV NCVJ                 | Subsea Installation | East of NCP                                  | Oil import from Strathspey and utilities and chemical supply to Strathspey                           | Operational |
| CNRI                            | SSIV NCVL                 | Subsea Installation | North of NCP                                 | Gas import from WLGP                                                                                 | Operational |
| CNRI                            | SSIV NCVN                 | Subsea Installation | East of NCP                                  | Oil import from NSP                                                                                  | Disused     |
| CNRI                            | SSIV NCVP                 | Subsea Installation | North of NCP                                 | Oil import from North Alwyn                                                                          | Operational |
| Serica Energy                   | Orlando SSIV              | Subsea Installation | North of NCP                                 | Oil import from Orlando                                                                              | Operational |

| Table 1-14: Adjacent Facilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                     |                      |                        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|----------------------|------------------------|---------|
| Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Name      | Type                | Distance / Direction | Information            | Status  |
| CNRI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SSIV NCVD | Subsea Installation | SE of NCP            | Fuel gas supply to NSP | Disused |
| Impacts of Decommissioning Proposals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                     |                      |                        |         |
| <p>The Strathspey Field produced through NCP. It reached CoP and was shut-in at the end of 2024.</p> <p>Pipelines between NSP and NCP have been flushed and cleaned as part of Ninian Southern Topsides and Upper Jacket Decommissioning Programme and as such are not affected by NCP decommissioning. These are PL70, PL72 and PL1999.</p> <p>The impact of these decommissioning programmes on the CNRI pipelines P918A, PL919A, PL920A, PL921A, PL922A, PL923A and PL917 will be limited to the EDC and removal of the sections associated with the topsides down to the top of the Jarlan Wall and the disconnection, laydown and recovery of flexible catenary risers PL1999, PL4383 and catenary umbilical PLU4384.</p> <p>Third party pipelines PL9, PL10, PL139, PL335 <sup>Note 2</sup> and PL4383 and umbilical PLU4384 are physically connected to NCP and would be affected by the severance of risers and removal of the topsides described in these decommissioning programmes. These lines are associated with export to SVT, EnQuest's Heather <sup>Note 3</sup> and Magnus fields, NEO Next+ E&amp;P UK Limited's North Alwyn Hub and Serica Energy's Orlando field respectively. As part of the platform EDC process, CNRI will approach / hold discussions with the respective pipeline owners to ensure that all appropriate steps are taken to minimise oil and / or offshore chemical discharges during subsequent subsea decommissioning activity.</p> <p>Alwyn Hub and Magnus Field Owners have identified these facilities have economic production beyond NCP CoP. Ninian Central Owners are continuing to support Magnus and Alwyn Owners in implementing their request for a bypass project around NCP, including providing a potential interim up-and-over service to the extent that the NCP decommissioning schedule allows before the bypass is in place, to avoid Alwyn and Magnus production being stranded, subject to separate commercial agreements, necessary regulatory approvals, technical feasibility and operational constraints.</p> <p>Reference Figure 1-4 for an overview of adjacent facilities.</p> |           |                     |                      |                        |         |

**Notes:**

1. PLU6298 umbilical is under CNRI ownership.
2. CNRI is the owner of the PL335 riser and Alwyn SSIV; NEO Next+ E&P UK Limited is the owner of the pipeline upstream of the SSIV.
3. The Heather Field is already decommissioned.



**Figure 1-4 Adjacent Facilities**

## 1.6. Industrial Implications

In planning and preparing for executing the NCP decommissioning contract / procurement strategy CNRI, as operator of NCP and on behalf of the Section 29 Notice Holders, undertake to:

- Publish information on the NCP decommissioning project and timelines on its decommissioning website: <https://www.cnrinternational.co.uk/north-sea-decommissioning/>
- Engage with the NSTA and the decommissioning supply chain on any future issues relating to the NCP Topsides and Associated Riser Sections Decommissioning Programme and schedule, including engaging directly with disposal yards that serve the North Sea.
- Continue management of a Supply Chain Action Plan (SCAP) to manage engagement with the supply chain.

Noting that:

- For engineering down and cleaning of the platform, the strategy is to use the incumbent contractors within the existing offshore operations team.
- The strategy for the topsides removal and onshore disposal scope is to competitively tender using the form of contract previously used for Murchison and NNP decommissioning, incorporating lessons learned, both internally and externally.

In addition to the industrial implications associated with execution of the decommissioning programme, NCP cessation of production and subsequent decommissioning activities may impact third-party fields currently exporting via NCP infrastructure, including the Alwyn Hub and Magnus Field. The relevant owners are progressing proposals intended to maintain export capability beyond NCP CoP, including a proposed bypass solution. Ninian Central Owners are continuing to support Magnus and Alwyn Owners in implementing their request for a bypass project around NCP, including providing a potential interim up-and-over service to the extent that the NCP decommissioning schedule allows before the bypass is in place, to avoid Alwyn and Magnus production being stranded, subject to separate commercial agreements, necessary regulatory approvals, technical feasibility and operational constraints.

## 2. DESCRIPTION OF ITEMS TO BE DECOMMISSIONED

### 2.1. Installation: Surface Facilities – Topsides

| Table 2-1: Surface Facilities Information |                                        |                         |                                        |                     |                   |
|-------------------------------------------|----------------------------------------|-------------------------|----------------------------------------|---------------------|-------------------|
| Name                                      | Facility Type                          | Location                |                                        | Topsides/Facilities |                   |
|                                           |                                        |                         |                                        | Weight (Te)         | Number of Modules |
| Ninian Central Platform (NCP)             | Topsides                               | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 38,725              | 34                |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | Escape to<br>Sea Ladders               | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 3                   | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | Mooring<br>Points<br>above LAT         | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 4.5                 | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | Boat<br>Landing<br>Platform            | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 13                  | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | Bell Transfer<br>Trolley               | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 1.5                 | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | Jarlan Wall<br>Walkways /<br>Handrails | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 2.5                 | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | External<br>Stair Towers               | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 33.9                | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |
|                                           | El.+15.2 m<br>CGF <sup>5</sup>         | WGS84<br>Decimal        | 60° 51' 22.564" N<br>01° 28' 02.520" E | 52                  | N/A               |
|                                           |                                        | WGS84<br>Decimal Minute | 60.8563° N<br>01.4674° E               |                     |                   |

<sup>5</sup> Removal of the El.+15.2 m Conductor Guide Frame will be subject to further assessment.

## 2.2. Pipeline(s)

Seabed pipelines do not form part of these decommissioning programmes. However, where pipelines and umbilicals have risers and J-tubes that run to and from the NCP topsides those sections above the CGBS will be removed with the topsides.

| Table 2-2: Pipeline / Flowline / Umbilical Information |                           |                   |             |                                                 |                  |                                    |               |                                             |                     |
|--------------------------------------------------------|---------------------------|-------------------|-------------|-------------------------------------------------|------------------|------------------------------------|---------------|---------------------------------------------|---------------------|
| Description                                            | Pipeline Number (per PWA) | Diameter (inches) | Length (km) | Description of Component Parts                  | Product Conveyed | From – To End Points               | Burial Status | Pipeline Status                             | Current Content     |
| Heather oil import riser                               | PL9                       | 16"               | 0.0175      | Steel riser                                     | Oil              | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused                                     | Inhibited seawater  |
| NPS oil export riser                                   | PL10                      | 36"               | 0.0175      | Steel riser                                     | Oil              | NCP topsides to Top of Jarlan Wall | N/A, riser    | Operational                                 | As product conveyed |
| Magnus oil import riser                                | PL139                     | 24"               | 0.0175      | Steel riser                                     | Oil              | Top of Jarlan Wall to NCP topsides | N/A, riser    | Operational                                 | As product conveyed |
| Water injection riser to NNP                           | PL162                     | 8"                | 0.0175      | Steel riser with Monel cladding (+17.3m to -5m) | Water            | NCP topsides to Top of Jarlan Wall | N/A, riser    | Disused<br>Disconnected at NNP riser tie-in | Untreated seawater  |
| North Alwyn oil import riser                           | PL335                     | 12"               | 0.0175      | Steel riser                                     | Oil              | Top of Jarlan Wall to NCP topsides | N/A, riser    | Operational                                 | As product conveyed |
| Oil import riser from NSP                              | PL70                      | 24"               | 0.0175      | Steel riser with Monel cladding (+17.3m to -5m) | Oil              | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused                                     | Inhibited seawater  |
| Oil import riser from NNP                              | PL71                      | 24"               | 0.0175      | Steel riser with Monel cladding                 | Oil              | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused                                     | Inhibited seawater  |

| Table 2-2: Pipeline / Flowline / Umbilical Information |                           |                   |             |                                |                        |                                    |               |                 |                     |
|--------------------------------------------------------|---------------------------|-------------------|-------------|--------------------------------|------------------------|------------------------------------|---------------|-----------------|---------------------|
| Description                                            | Pipeline Number (per PWA) | Diameter (inches) | Length (km) | Description of Component Parts | Product Conveyed       | From – To End Points               | Burial Status | Pipeline Status | Current Content     |
|                                                        |                           |                   |             | (+17.3m to -5m)                |                        |                                    |               |                 |                     |
| Fuel gas export riser to NSP                           | PL72                      | 8"                | 0.0175      | Steel riser                    | Gas                    | Top of Jarlan Wall to NCP topsides | N/A, riser    | Operational     | As product conveyed |
| Gas import riser from WLGP                             | PL917A                    | 8"                | 0.0175      | Steel riser                    | Gas                    | Top of Jarlan Wall to NCP topsides | N/A, riser    | Operational     | As product conveyed |
| Strathspey (Brent production) import riser             | PL918A                    | 8.9" (internal)   | 0.0175      | Flexible riser                 | Oil                    | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused         | As product conveyed |
| Strathspey (Brent production/ test) import riser       | PL919A                    | 7" (internal)     | 0.0175      | Flexible riser                 | Oil                    | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused         | As product conveyed |
| Strathspey (Statfjord / Brent production) import riser | PL920A                    | 7" (internal)     | 0.0175      | Flexible riser                 | Oil / Gas / Condensate | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused         | As product conveyed |
| Strathspey (Statfjord production/ test) import riser   | PL921A                    | 7" (internal)     | 0.0175      | Flexible riser                 | Gas / Condensate       | Top of Jarlan Wall to NCP topsides | N/A, riser    | Disused         | As product conveyed |

| Table 2-2: Pipeline / Flowline / Umbilical Information |                           |                   |             |                                |                                        |                                                  |                      |                 |                     |
|--------------------------------------------------------|---------------------------|-------------------|-------------|--------------------------------|----------------------------------------|--------------------------------------------------|----------------------|-----------------|---------------------|
| Description                                            | Pipeline Number (per PWA) | Diameter (inches) | Length (km) | Description of Component Parts | Product Conveyed                       | From – To End Points                             | Burial Status        | Pipeline Status | Current Content     |
| Strathspey utilities riser                             | PL922A                    | 3" (internal)     | 0.0175      | Flexible riser                 | Water based chemicals and hydrocarbons | Top of Jarlan Wall to NCP topsides               | N/A, riser           | Disused         | As product conveyed |
| Strathspey methanol riser                              | PL923A                    | 3" (internal)     | 0.0175      | Flexible riser                 | Methanol                               | Top of Jarlan Wall to NCP topsides               | N/A, riser           | Disused         | As product conveyed |
| Strathspey control umbilical                           | PL924                     | 5.97"             | 0.0175      | Umbilical                      | Chemical injection fluids              | NCP topsides to top of Jarlan Wall               | N/A, umbilical riser | Disused         | As product conveyed |
| Strathspey control umbilical                           | PL925                     | 3.48"             | 0.0175      | Umbilical                      | Chemical injection fluids              | NCP topsides to top of Jarlan Wall               | N/A, umbilical riser | Disused         | As product conveyed |
| Strathspey control umbilical                           | PLU6593                   | 3.48"             | 0.0175      | Umbilical                      | Hydraulic fluid                        | NCP topsides to top of Jarlan Wall               | N/A, umbilical riser | Disused         | As product conveyed |
| Control pod NCVE umbilical                             | PLU4181                   | 3.19"             | 0.0175      | Umbilical                      | Hydraulic fluid                        | NCP topsides to top of Jarlan Wall               | N/A, umbilical riser | Disused         | Water               |
| Control pod NCVE umbilical                             | PLU4182                   | 3.58"             | 0.0175      | Umbilical                      | Hydraulic fluid                        | NCP topsides to top of Jarlan Wall               | N/A, umbilical riser | Operational     | As product conveyed |
| Oil import from NSP                                    | PL1999                    | 10"               | 0.344       | Flexible catenary riser        | Oil                                    | NCP topsides to first seabed tie-in spool flange | N/A, flexible riser  | In service      | As product conveyed |

## 2.3. Wells

Wells are drilled to the Ninian and Columba B fields from NCP. Well status at time of writing is as per below. However, once plugging and abandonment (P&A) has concluded, all wells will have a status of “AB3 abandoned” with a remaining category of PL 0-0-0.

| Table 2-3: Well Information |                  |           |                  |
|-----------------------------|------------------|-----------|------------------|
| Platform Wells              | Designation      | Status    | Category of Well |
| Ninian Field                |                  |           |                  |
| 3/03-C13                    | Injection        | Suspended | PL 3-3-3         |
| 3/03-C75                    | Injection        | Suspended | PL 3-3-3         |
| 3/03-C71                    | Production       | Suspended | PL 0-3-3         |
| 3/03-C20                    | Injection        | Suspended | PL 3-3-3         |
| 3/03-C77                    | Injection        | Shut In   | PL 1-3-3         |
| 3/03-C57                    | Production       | Suspended | PL 3-3-3         |
| 3/03-C59                    | Production       | Suspended | PL 3-3-3         |
| 3/03-C63                    | Production       | Suspended | PL 3-3-3         |
| 3/03-C82                    | Injection        | Suspended | PL 0-3-3         |
| 3/03-C19                    | Production / CRI | Shut In   | PL 1-3-3         |
| 3/03-C72                    | Production       | Suspended | PL 0-3-3         |
| 3/03-C69                    | Production       | Suspended | PL 0-3-3         |
| 3/03-C78                    | Production       | Shut In   | PL 3-3-3         |
| 3/03-C45                    | Injection        | Suspended | PL 0-3-3         |
| 3/03-C43                    | Production       | Suspended | PL 1-3-3         |
| 3/03-C08                    | Injection        | Suspended | PL 0-3-3         |
| 3/03-C90                    | Production       | Shut In   | PL 3-3-3         |
| 3/03-C84                    | Production       | Live      | PL 1-3-3         |
| 3/03-C92                    | Injection        | Live      | PL 1-3-3         |
| 3/03-C02                    | Production       | Live      | PL 1-3-3         |
| 3/03-C85z                   | Production       | Live      | PL 1-3-3         |
| 3/03-C15                    | Production / CRI | Shut In   | PL 1-3-3         |

| Table 2-3: Well Information |             |           |                  |
|-----------------------------|-------------|-----------|------------------|
| Platform Wells              | Designation | Status    | Category of Well |
| 3/03-C98                    | Production  | Live      | PL 1-3-3         |
| 3/03-C96                    | Injection   | Live      | PL 1-3-3         |
| 3/03-C79                    | Production  | Live      | PL 1-3-3         |
| 3/03-C24                    | Injection   | Shut In   | PL 0-3-3         |
| 3/03-C80                    | Production  | Live      | PL 1-3-3         |
| 3/03-C94                    | Production  | Live      | PL 1-3-3         |
| 3/03-C53                    | Production  | Shut In   | PL 1-3-3         |
| 3/03-C87                    | Production  | Live      | PL 1-3-3         |
| 3/03-C93                    | Production  | Live      | PL 1-3-3         |
| 3/03-C95z                   | Production  | Live      | PL 3-3-3         |
| 3/03-C74                    | Production  | Suspended | PL 1-3-3         |
| 3/03-C58                    | Production  | Suspended | PL 1-3-3         |
| 3/03-C97                    | Production  | Live      | PL 1-3-3         |
| 3/03-C100                   | Production  | Live      | PL 1-3-3         |
| 3/03-C86                    | Injection   | Live      | PL 1-3-3         |
| 3/03-C73                    | Production  | Shut In   | PL 1-3-3         |
| 3/03-C81                    | Injection   | Live      | PL 1-3-3         |
| Columba B Field             |             |           |                  |
| 3/03-C66                    | Injection   | Shut In   | PL 1-3-3         |
| 3/03-C68                    | Injection   | Suspended | PL 4-3-3         |
| 3/03-C76                    | Production  | Suspended | PL 4-3-3         |

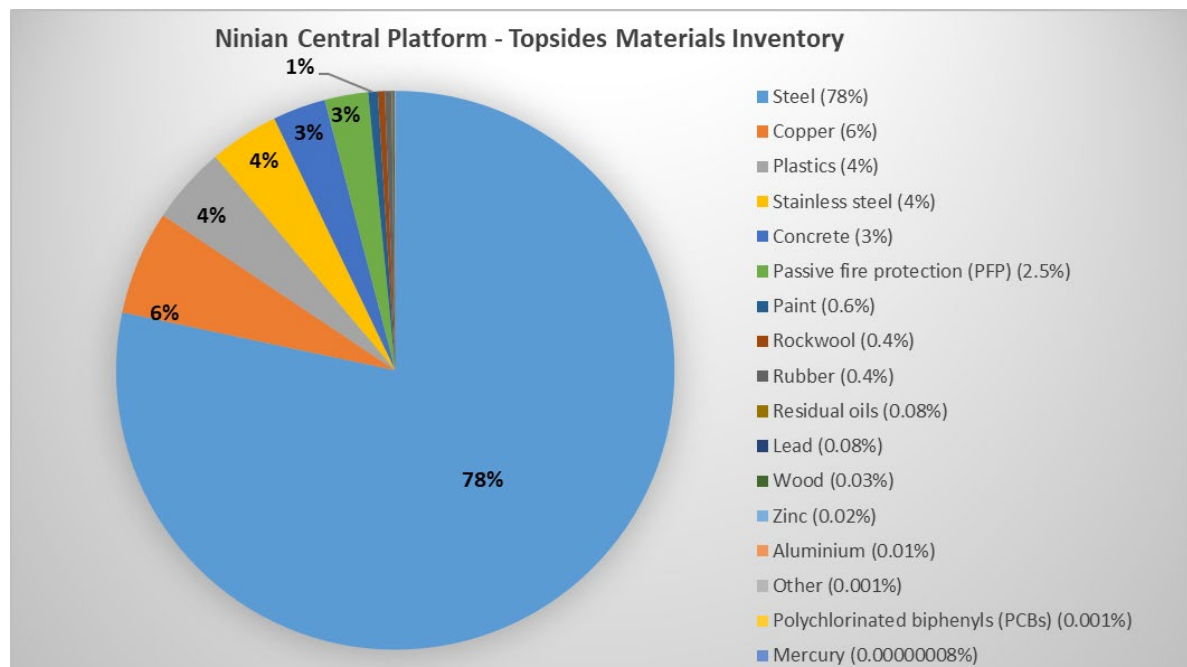
Well categories have been evaluated in accordance with the OEUK's Well Decommissioning Guidelines Issue 7, November 2022.

## 2.4. Inventory Estimates

| Material                      | Mass (Tonnes) | Material                         | Mass (Tonnes) |
|-------------------------------|---------------|----------------------------------|---------------|
| Steel <sup>Note 1</sup>       | 30,333.70     | Lead                             | 29.2          |
| Copper                        | 2,334.90      | Wood                             | 12.6          |
| Plastics                      | 1,737.80      | Zinc                             | 7.8           |
| Stainless steel               | 1,551.40      | Aluminium                        | 4.6           |
| Concrete <sup>Note 1</sup>    | 1,191.00      | Other                            | 0.5           |
| Passive fire protection (PFP) | 972.6         | Polychlorinated biphenyls (PCBs) | 0.3           |
| Paint                         | 214.2         | Mercury                          | 0.00003214    |
| Rockwool                      | 154           | NORM                             | TBC           |
| Rubber                        | 151           | Asbestos                         | TBC           |
| Residual oils                 | 29.5          | <b>Total</b>                     | <b>38,725</b> |

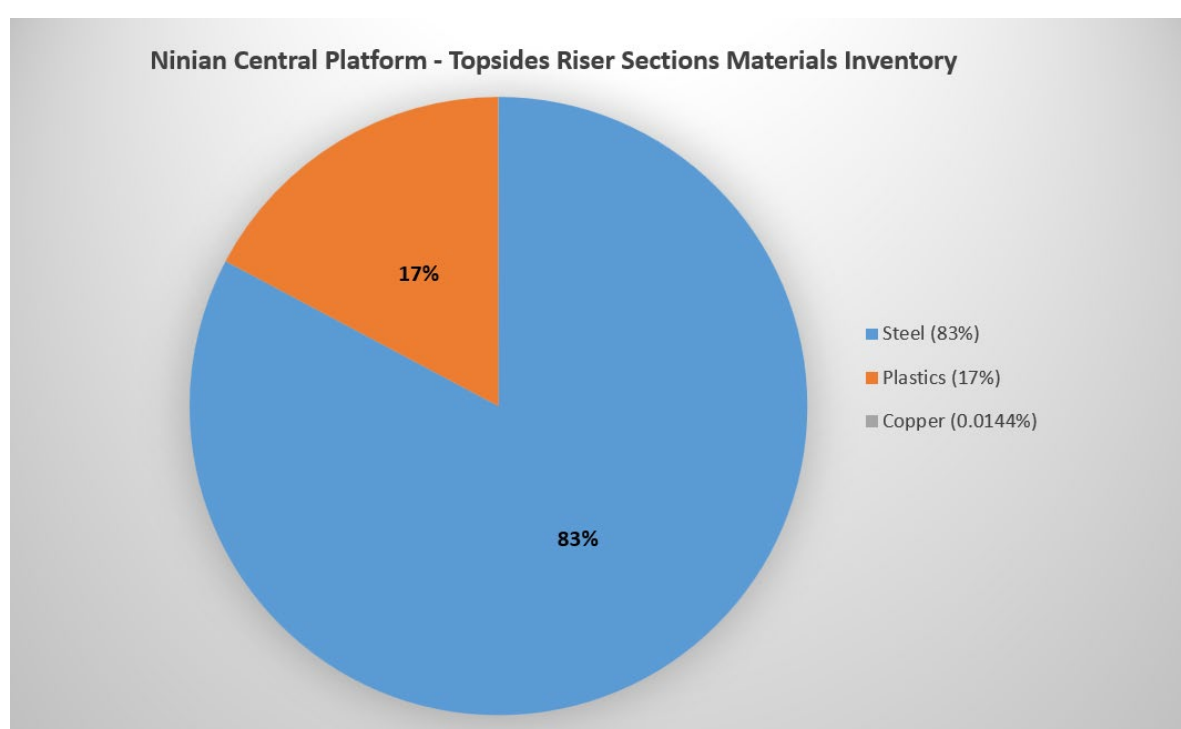
Notes:

1. Inclusive of module support frame.



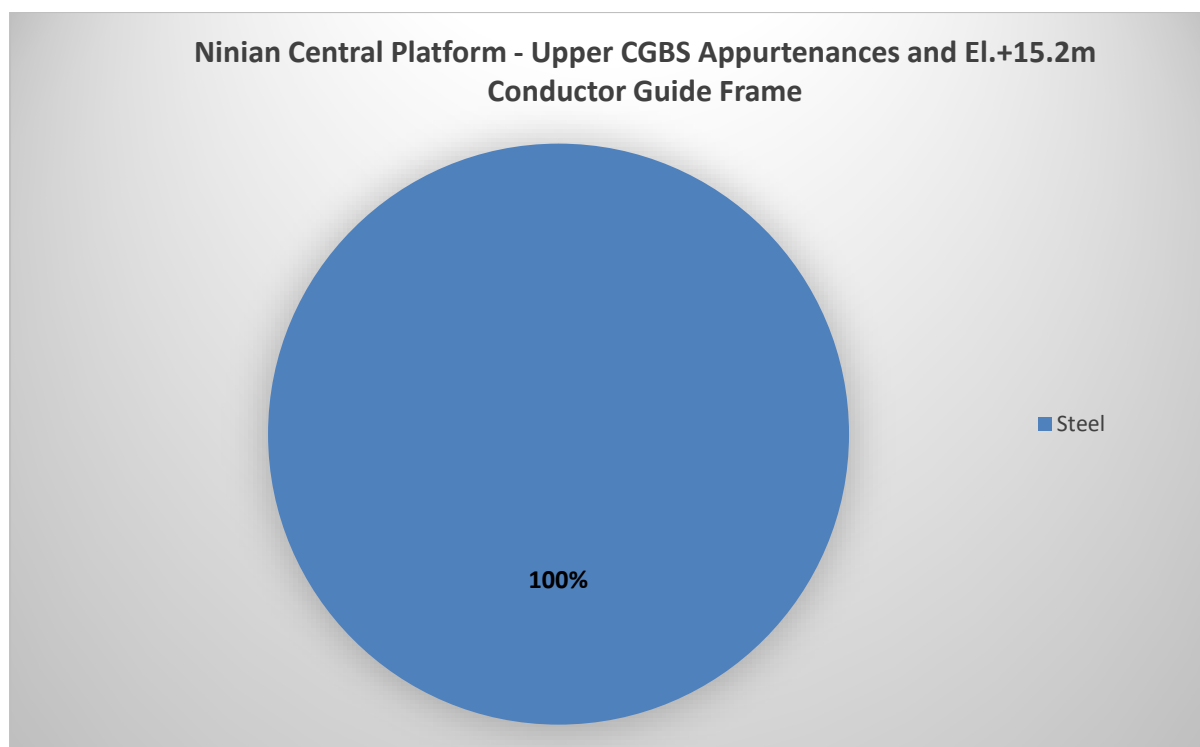
**Figure 2-1 NCP Topsides Materials Inventory**

| Table 2-5: Inventory of the Material Associated with the Topsides Riser Sections |               |
|----------------------------------------------------------------------------------|---------------|
| Material                                                                         | Mass (Tonnes) |
| Steel                                                                            | 52.6          |
| Plastic                                                                          | 10.9          |
| Copper                                                                           | 0.0092        |
| <b>Total</b>                                                                     | <b>63.5</b>   |



**Figure 2-2 Topsides Riser Section Materials Inventory**

| Table 2-6: Inventory of the Material Associated with the Upper CGBS Appurtenances and El.+15.2 m Conductor Guide frame |               |
|------------------------------------------------------------------------------------------------------------------------|---------------|
| Material                                                                                                               | Mass (Tonnes) |
| Steel                                                                                                                  | 110.4         |
| <b>Total</b>                                                                                                           | <b>110.4</b>  |



**Figure 2-3 Upper CGBS Appurtenances and Conductor Guide Frame (El.+15.2 m LAT) Materials Inventory**

### 3. REMOVAL AND DISPOSAL METHODS

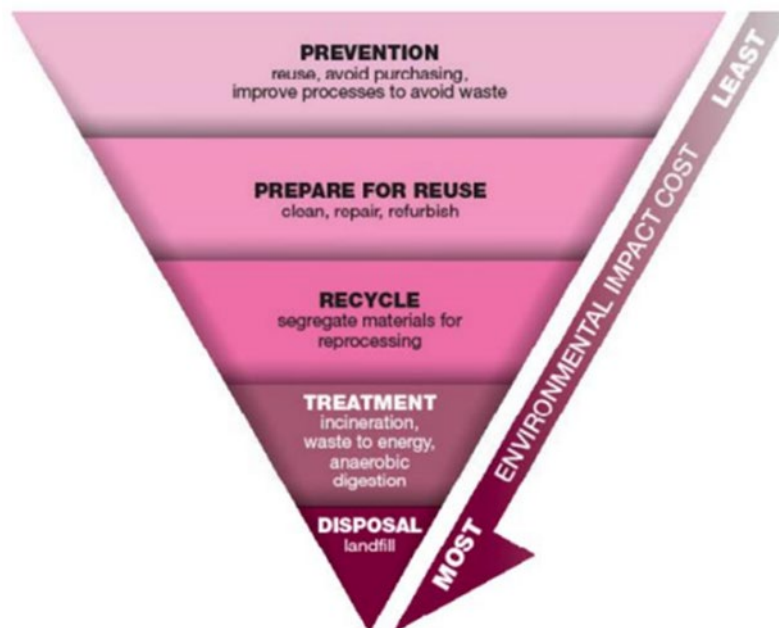
The re-use of an offshore installation or parts thereof is first in the order of preferred decommissioning options. NCP was screened for potential re-use or repurposing with the following conclusion relating to NCP topsides:

- There are potential pipeline routes from Sullom Voe Terminal (SVT) to transport CO<sub>2</sub> for sequestration via NCP; however, there are no existing routes to transport CO<sub>2</sub> to SVT.
  - It is not expected that there will be infrastructure in place to transport large volumes of CO<sub>2</sub> to SVT in the foreseeable future (within 10 years)
- Conversion of the existing NCP topsides for Carbon Capture and Storage (CCS) service operation is uneconomical unless supplied volumes are greater than around 10 MM tonnes CO<sub>2</sub> per year. Given the immaturity of ship-based transport of CO<sub>2</sub> and small volumes currently transported (less than 3 MM tonnes CO<sub>2</sub> global shipping capacity) a project at this scale is not likely to be developed in the foreseeable future (i.e. next 10 years).

For the purpose of these decommissioning programmes therefore it is assumed that no viable re-use or repurposing options for the existing topsides are likely.

As part of the removals contractor selection, disposal yards nominated by the removals contractor will be evaluated by CNRI. OPRED will be advised once a disposal yard has been selected. Where there is the potential for trans-frontier shipment of waste (TFSW) the appropriate regulatory authorities will be engaged.

Article 4 of the Waste Framework Directive (Directive 2008/98/EC) sets out the steps to manage waste ranked according to environmental impact (also known as the waste hierarchy). CNRI will follow the principles of the waste hierarchy, Figure 3-1 below, in order to minimise waste production resulting from the NCP decommissioning activities.



**Figure 3-1 Waste Hierarchy**

Recovered material is expected to be landed onshore between 2029 and 2033. It is not possible to fully define the available recycling / waste disposal sites and treatment options at this time, which will be determined through a competitive tendering process. Therefore, the following is a summary of the general waste disposal strategy. Percentages shown relate to the weight of material which is expected to be recovered to shore.

On removal and where practical, CNRI will ensure the principles of the waste hierarchy will be met in the handling of materials from the NCP topsides decommissioning to maximise the quantities of re-used and recycled material.

Preventing waste is the most preferred option. This will be achieved through reducing consumption and using resources efficiently. CNRI will comply with the Duty of Care requirements under the UK Waste Regulations and The Environmental Protection (Duty of Care) (Scotland) Regulations 2014. The project will follow industry good practice at all stages of re-use, recycling, and disposal.

As a minimum, CNRI aims to recycle >95 % of the waste generated from these programmes. The possibility for the recovered material to be contaminated by hydrocarbons, paints, etc. may limit the recovered material that can be successfully recycled.

Waste management activities will be conducted in full compliance with all relevant legislation and regulatory controls. Disposal to landfill will be the option of last resort when there are no other options and the environmental disadvantages of alternatives to landfill outweigh any benefits.

CNRI recognises that there will be large quantities of material returned to shore for recycling or disposal. Regardless of the ultimate destination there will be sufficient notice provided to ensure that there is suitable capacity for processing landed material, taking due consideration of destination handling capacity and availability, and to allow all applicable regulatory bodies, stakeholders, and contractors to be engaged appropriately.

## **3.1. Topsides**

### **3.1.1. Topsides Decommissioning Overview**

The NCP topsides comprise 34 modules arranged over four decks which provide facilities and equipment for drilling, production, processing, power generation, oil export and accommodation. The estimated weight of the topsides is 38,725 Te.

Modules are supported by an MSF consisting of four longitudinal and six transverse trusses fabricated from large diameter steel tube, with eight tubular legs which are supported on strengthened concrete pedestals built into the top of the Jarlan Wall.

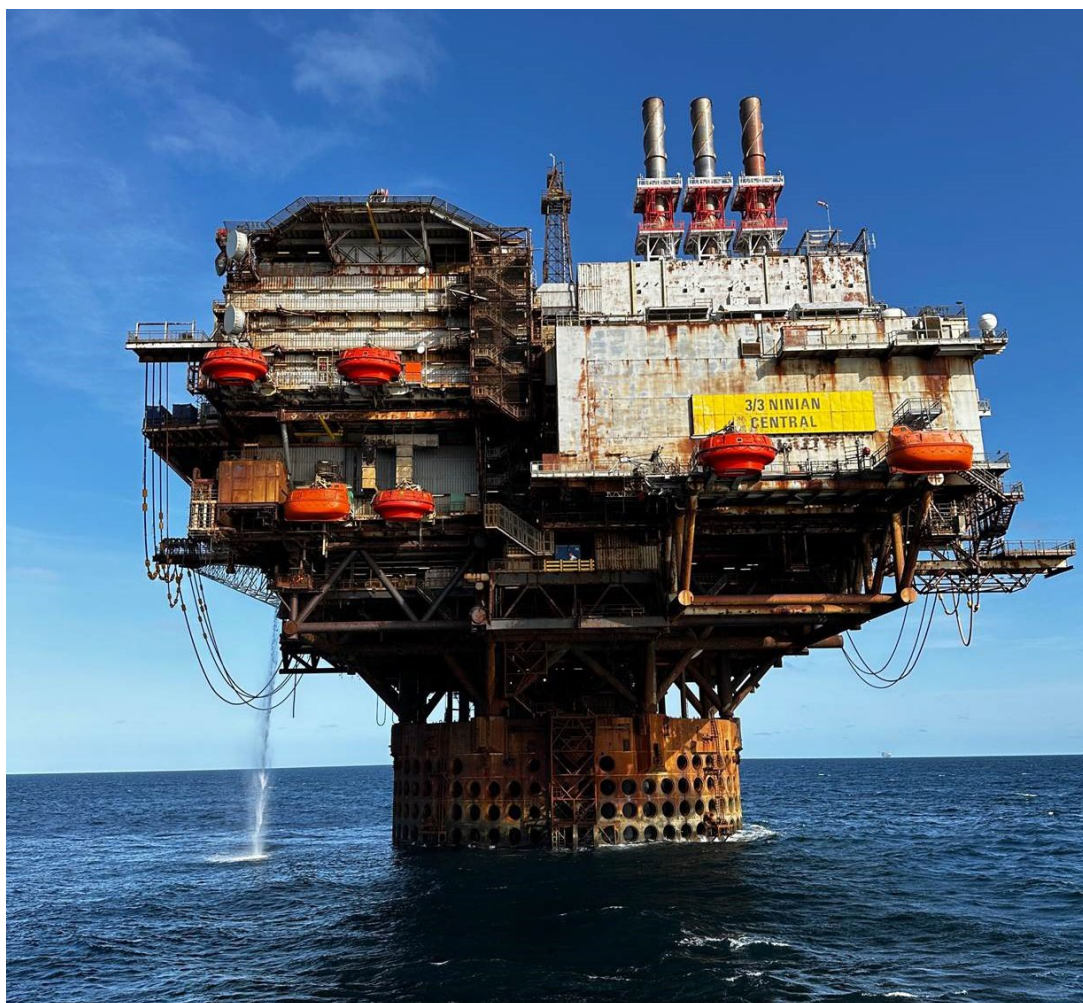
The topsides, together with the MSF, will be completely removed and returned to shore for re-use, recycling and disposal. Potential methods for removal of the topsides are outlined in Table 3-2; however, the final decision on the removal methodology of the topsides will be made following a commercial tendering process.

A view of the South side of the topsides is provided in Figure 3-2, and the West side in Figure 3-3.

Figure 3-4 shows an exploded view of the topsides modules.

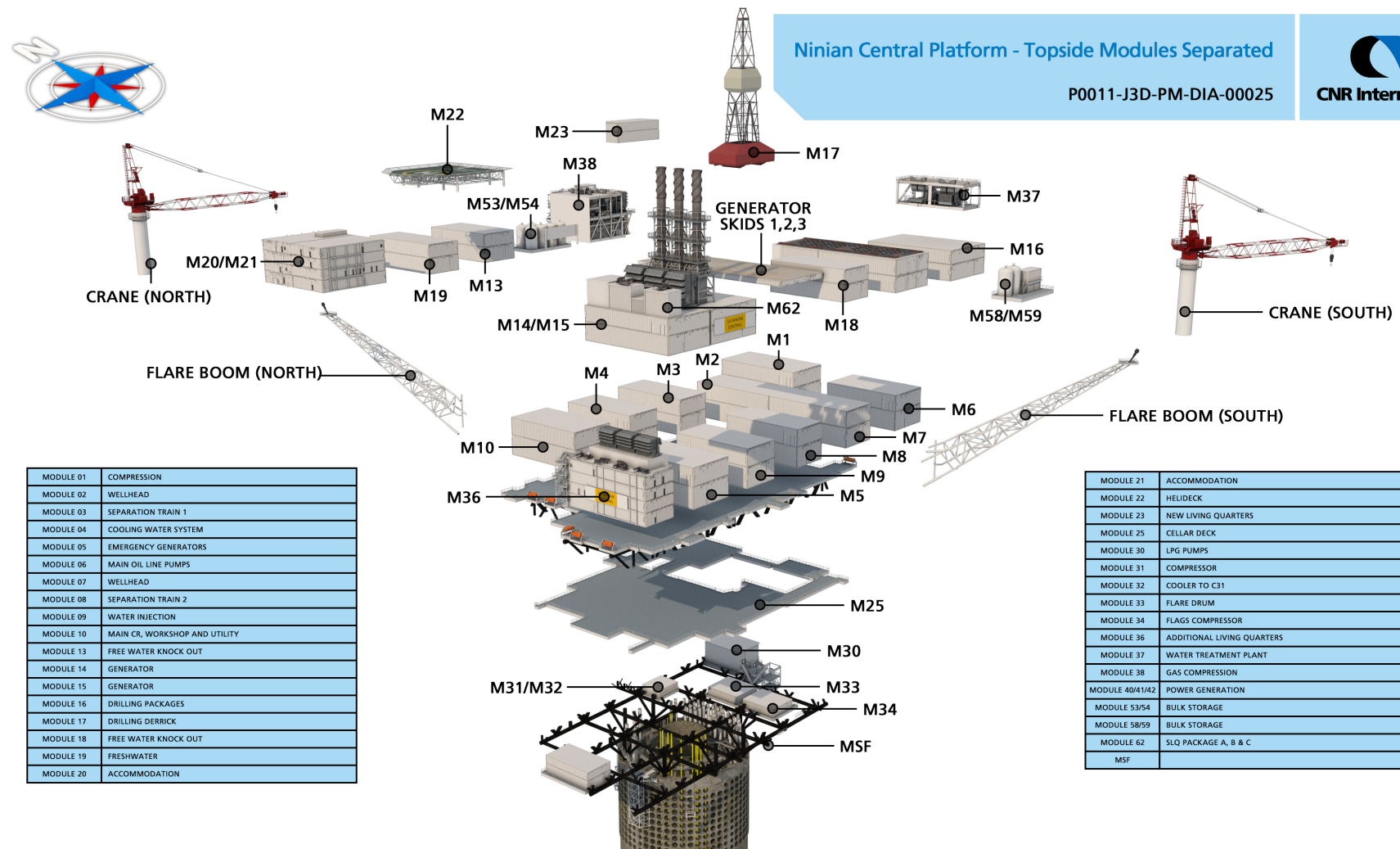


**Figure 3-2 NCP Topsides (South Face)**



**Figure 3-3 NCP Topsides (West Face)**

**Project:** NINIAN CENTRAL DECOMMISSIONING PROJECT  
**Project Number:** P0040  
**Document Title:** PROGRAMME – NINIAN CENTRAL TOPSIDES AND ASSOCIATED RISER SECTIONS DECOMMISSIONING PROGRAMMES



### Figure 3-4 Diagram of NCP Showing Modules

The methods that will be used to flush, purge or clean the topsides offshore prior to removal to shore are summarised in Table 3-1.

| Table 3-1: Cleaning of Topsides for Removal |                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Type                                  | Composition of Waste                                                                                                                                 | Disposal Route                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Onboard hydrocarbons                        | Process fluids, fuels and lubricants                                                                                                                 | <p>Flushing of bulk process hydrocarbons will be conducted offshore and residual fluids disposed of under appropriate permits. Fuels and lubricants will be drained and transported onshore for disposal.</p> <p>Residual effluent will be transported onshore under relevant permits to an appropriate and licensed waste management site for disposal.</p> <p>The stored diesel will be removed from the central shaft to topsides storage as part of preparation for topsides removal. This activity will be undertaken by a specialist contractor using appropriate equipment to maximise diesel recovery.</p> |
| Other hazardous materials                   | <p>Chemicals for cleaning topsides.</p> <p>Hazardous waste such as NORM radioactive material, instruments containing heavy metals and batteries.</p> | Discharge of cleaning chemical offshore will be managed under relevant permits. Waste chemicals, bulk NORM solids and other hazardous materials will be transported onshore for appropriate disposal using appropriately licensed carriers and onshore processing facilities.                                                                                                                                                                                                                                                                                                                                      |
| Original paint coating                      | Paint containing lead. Further survey work will be undertaken to identify other components that may be present.                                      | May give off toxic fumes / dust if flame-cutting or grinding / blasting is used therefore appropriate safety measures will be taken. Painted items will be disposed of onshore appropriately.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Asbestos                                    | Asbestos has been identified in surveys.                                                                                                             | Appropriate control and management of asbestos will be applied. Asbestos will be contained and shipped onshore for disposal in appropriately certified facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Table 3-2: Topsides Removal Methods                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) HLV (semi-submersible crane vessel) <input checked="" type="checkbox"/> 2) SLV <input checked="" type="checkbox"/> 3) Piece small <input checked="" type="checkbox"/> 4) Other (describe briefly) <input type="checkbox"/> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Method                                                                                                                                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Modular removal by HLV                                                                                                                                                                                                        | Removal of platform modules individually or in groups to a suitable barge using a semi-submersible Heavy Lift Vessel (HLV).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Single lift removal by SLV                                                                                                                                                                                                    | Removal of topsides as a complete unit and transportation by Single Lift Vessel (SLV).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Offshore removal 'piece small'                                                                                                                                                                                                | Removal of topsides by breaking up offshore and returning to shore using transportation barges and / or supply vessels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Proposed removal method and disposal route                                                                                                                                                                                    | <p>Only removal by HLV/SLV is being carried forward into the competitive tender process; piece small has been assessed as too inefficient.</p> <p>Only removal vessels operating on dynamic positioning are being considered, there is no intention to use anchored vessels for any stage of the removal operations. Removal vessel(s) will operate under a consent to locate permit.</p> <p>Tenders for the topsides removal will be asked to nominate an onshore reception facility that is compatible with their removal method. This may be in or outside the UK. The tenderer will raise any potential Trans-Frontier Shipment of Waste issues.</p> <p>An appropriately licensed site will be selected. The selected dismantling / disposal site must demonstrate a proven disposal track record of waste stream management throughout the deconstruction process and demonstrate their ability to deliver re-use and recycling options. If a non-UK yard is selected, appropriate Trans-Frontier Shipment of Waste licences will be applied for. OPRED will be informed once a disposal yard has been selected.</p> |

### 3.2. Pipelines

| Table 3-3: Pipeline or Pipeline Groups Decommissioning Options |                                                                    |                                                       |                                                               |
|----------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
| Pipeline or Group (per PWA)                                    | Condition of line/group (Surface laid/ Trenched/ Buried/ Spanning) | Whole or part of pipeline/group                       | Decommissioning Options considered                            |
| PL9                                                            | Rigid riser fixed to outer face of the NCP central shaft           | Part, section above top of Jarlan Wall EI +15.2 m LAT | Fully removed with topsides to top of Jarlan Wall +15.2 m LAT |
| PL10                                                           |                                                                    |                                                       |                                                               |
| PL139                                                          |                                                                    |                                                       |                                                               |
| PL162                                                          |                                                                    |                                                       |                                                               |
| PL335                                                          |                                                                    |                                                       |                                                               |
| PL70                                                           |                                                                    |                                                       |                                                               |
| PL71                                                           |                                                                    |                                                       |                                                               |
| PL72                                                           |                                                                    |                                                       |                                                               |
| PL917A                                                         |                                                                    |                                                       |                                                               |

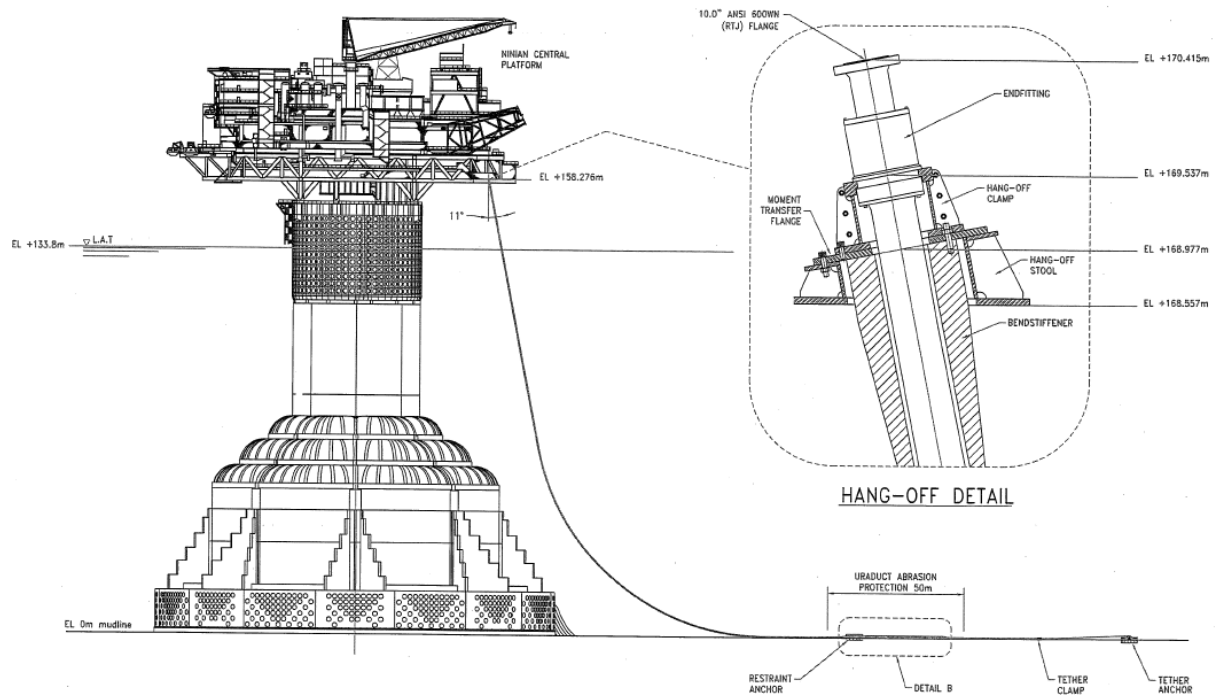
| Table 3-3: Pipeline or Pipeline Groups Decommissioning Options |                                                                                          |                                                                      |                                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Pipeline of Group (per PWA)                                    | Condition of line/group (Surface laid/ Trenched/ Buried/ Spanning)                       | Whole or part of pipeline/group                                      | Decommissioning Options considered                                                                 |
| PL918A                                                         | Flexible riser contained within rigid riser fixed to outer face of the NCP central shaft |                                                                      |                                                                                                    |
| PL919A                                                         |                                                                                          |                                                                      |                                                                                                    |
| PL920A                                                         | Flexible riser contained within J-tube fixed to outer face of the NCP central shaft      |                                                                      |                                                                                                    |
| PL921A                                                         |                                                                                          |                                                                      |                                                                                                    |
| PL922A                                                         |                                                                                          |                                                                      |                                                                                                    |
| PL923A                                                         |                                                                                          |                                                                      |                                                                                                    |
| PL924                                                          | Umbilical contained within J-tube fixed to outer face of the NCP central shaft           |                                                                      |                                                                                                    |
| PL925                                                          |                                                                                          |                                                                      |                                                                                                    |
| PLU6593                                                        |                                                                                          |                                                                      |                                                                                                    |
| PLU4181                                                        |                                                                                          |                                                                      |                                                                                                    |
| PLU4182                                                        |                                                                                          |                                                                      |                                                                                                    |
| PL1999                                                         | Flexible catenary riser, ref. Figure 3-5 (PL1999)                                        | Whole, flexible riser from topsides hang-off to first seabed tie-in. | Disconnected and laid temporarily on seabed. Recovered as part of subsea decommissioning campaign. |

Note that in addition to the above (Table 3-3) and subject to prior agreement, Orlando catenary riser and umbilical, PL4383 and PLU4384 respectively, will be disconnected and laid down by CNRI in preparation for NCP topsides removal.

The riser and umbilical will be recovered and returned to shore for recycling / disposal, along with the respective riser bases and Orlando SSIV, by CNRI as part of the subsea removal works.

This infrastructure belongs to Serica Energy and is formally included within their Orlando Development Decommissioning Programme.

The Orlando catenary riser and the umbilical hang-off structures—including all related equipment—are officially considered part of the NCP platform's topsides. Because of this, they are included in the NCP Topsides and Associated Riser Sections Decommissioning Programme, and they must be removed and taken to shore along with the rest of the topsides infrastructure.



**Figure 3-5 Elevation View of Catenary Import Riser PL1999**

### 3.3. Wells

**Table 3-4: Well Plug and Abandonment**

There are 42 platform based wells on NCP listed in Section 2.3 (Table 2-3). All wells will be plugged and abandoned in accordance with OEUK Well Decommissioning Guidelines, Issue 7, November 2022.

Platform conductors will be cut and pulled at no higher than the conductor guide frame (CGF) at EI +15.2 m, top of the Jarlan Wall to ensure stability for the remaining structure. The CGF will be left in place to ensure stability for the remaining structure unless the conductors are cut below this level, in which case it will potentially be removed.

A WONS / Marine Licence application will be submitted in support of any such work that is to be carried out.

### 3.4. Drill Cuttings

A drill cuttings pile is located on and alongside the NCP substructure. The details and management of the drill cuttings pile is addressed within the NCP substructure (CGBS) Decommissioning Programme.

A Multi-Beam Echo Sounder (MBES) survey was performed at NCP as an extension to an environmental baseline survey conducted at NSP in 2024. The extent and detailed characteristics of the NCP drill cuttings will be confirmed from a further survey which was completed in summer 2025 at NCP.

To facilitate topsides removal, the catenary risers on the east side of NCP will be disconnected from the topsides hang off and temporarily laid down on the adjacent seabed. As the drill cuttings pile is also on the east side of the installation, this will be taken into consideration and measures employed to avoid disturbance of the cuttings pile.

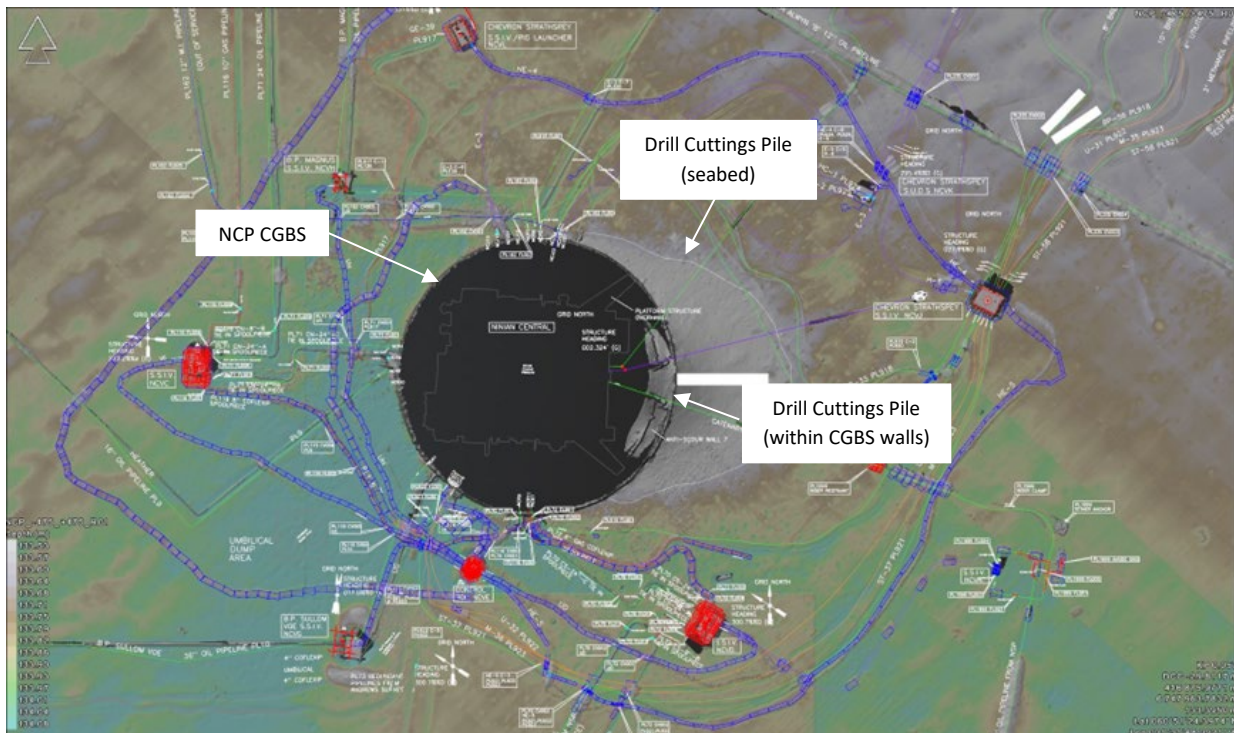


Figure 3-6 Ninian Central Platform Drill Cuttings Pile Location

### 3.5. Waste Streams

| Table 3-5: Waste Stream Management Methods |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Stream                               | Removal and Disposal Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Bulk liquids</b>                        | <p>During the EDC phase, flushing of bulk liquids will be undertaken offshore under an appropriate permit. Vessels and pipework will be drained and will be transported to shore in accordance with maritime transportation guidelines where it will be managed at a fully permitted onshore disposal facility.</p> <p>The stored diesel will be removed from the central shaft to topsides storage as part of preparation for topsides removal. This activity will be undertaken by a specialist contractor using appropriate equipment to maximise diesel recovery.</p> <p>Further cleaning and decontamination will take place onshore prior to recycling or re-use.</p>             |
| <b>Subsea infrastructure</b>               | <p>As part of the EDC phase, pipelines and umbilicals connected to NCP topsides which convey hydrocarbons, chemicals and similar contaminants will be flushed to an acceptable cleanliness level, applying best available techniques (BAT) and best environmental practices (BEP), and under an appropriate permit prior to breaking containment. Sections of pipeline and umbilicals recovered under these programmes will be transported to shore in accordance with maritime transportation guidelines where they will be managed at a fully permitted onshore disposal facility. If necessary, further cleaning and decontamination will take place onshore prior to recycling.</p> |
| <b>Marine growth</b>                       | <p>Handling of marine growth associated with these topsides decommissioning programmes is limited to marine growth found on the catenary risers. There is not expected to be a requirement to remove marine growth to facilitate laydown of the risers; however, the risers will come into contact with the seabed, and as such will be considered as part of the marine licence application for riser laydown.</p>                                                                                                                                                                                                                                                                     |
| <b>NORM/LSA Scale</b>                      | <p>Tests for NORM will be undertaken offshore and, where identified, material shall be transported onshore in accordance with CNRI's procedures and all relevant regulations. The selected waste management contractor will dispose of NORM under an appropriate permit and in accordance with their procedures, which shall meet or exceed CNRI's procedures and all relevant regulations.</p>                                                                                                                                                                                                                                                                                         |
| <b>Asbestos</b>                            | <p>Asbestos will be contained and transported onshore for disposal in accordance with CNRI's procedures and all relevant regulations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Other hazardous wastes</b>              | <p>Where other types of hazardous waste are identified these will be taken onshore and disposed of in accordance with CNRI's procedures and all relevant regulations. The selected waste management contractor will dispose of hazardous waste under an appropriate permit and in accordance with their procedures, which shall meet or exceed CNRI's procedures and all relevant regulations.</p>                                                                                                                                                                                                                                                                                      |
| <b>Onshore dismantling sites</b>           | <p>An appropriately licensed site will be selected by the removals contractor. CNRI will ensure that the removal contractor has a proven track record of waste stream management throughout the deconstruction process and can demonstrate their ability to deliver innovative recycling options. CNRI will perform audits on disposal yards to provide assurance that they are compliant with legislation. OPRED will be informed once a disposal yard has been selected.</p>                                                                                                                                                                                                          |

| Table 3-6: Inventory Disposition |                         |                          |                             |
|----------------------------------|-------------------------|--------------------------|-----------------------------|
|                                  | Total inventory tonnage | Planned tonnage to shore | Planned left <i>in situ</i> |
| Installations                    | 38,835.4 Te             | 38,835.4 Te              | 0 Te                        |
| Pipelines                        | 63.5 Te                 | 63.5 Te                  | 0 Te                        |

## 4. ENVIRONMENTAL IMPACT ASSESSMENT

The ENVID considered the potential for significant environmental effects as a result of interactions between the proposed decommissioning activities and sensitive environmental receptors. It has been prepared in accordance with BEIS Guidance Notes [2], and Decom Mission's Environmental Appraisal Guidelines [3].

The environmental sensitivities around NCP are summarised in Section 4.1.

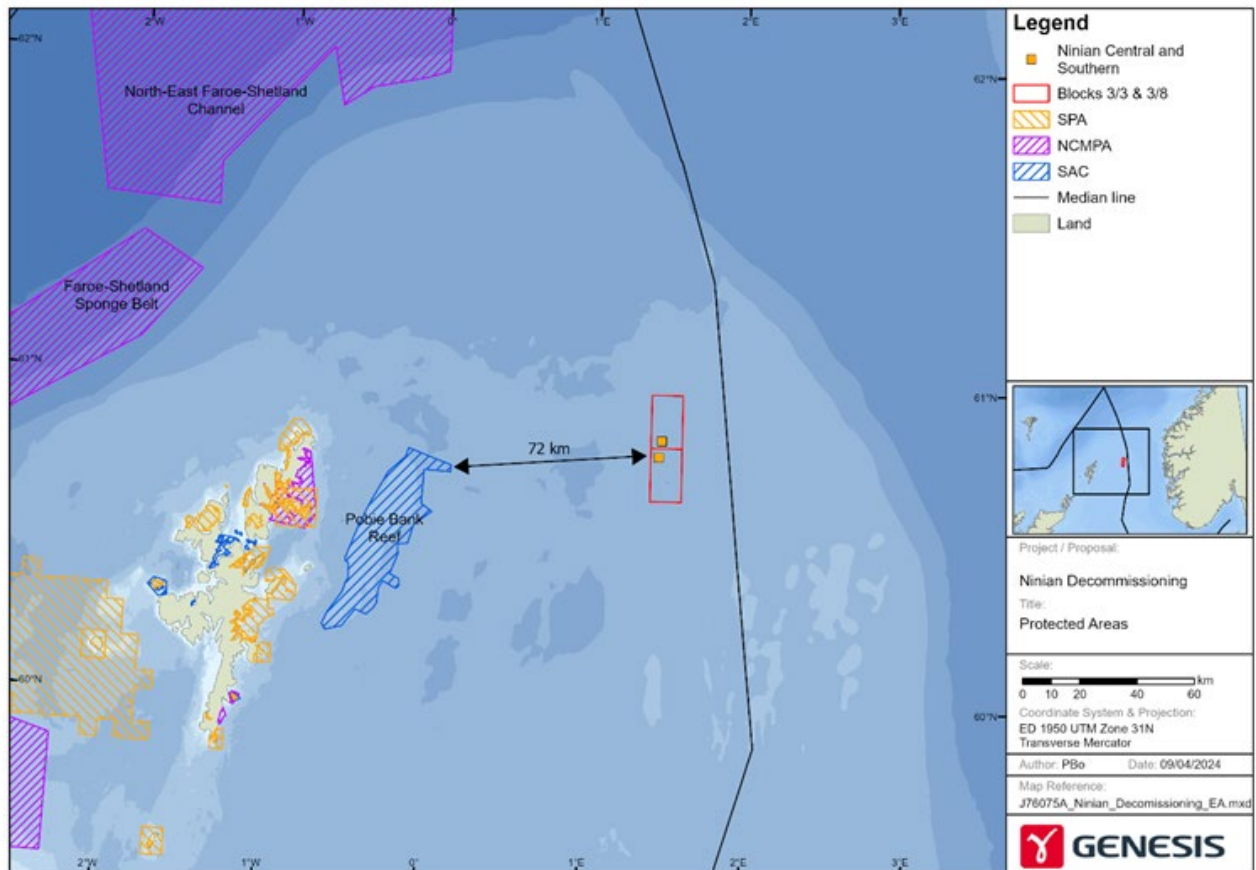


Figure 4-1 Map of designated areas around Ninian Field

CNRI acknowledges the NSTA's strategy to support the oil and gas industry in reducing greenhouse gas emissions and to help the British Government to reach its target of reducing greenhouse gas emissions to net zero by 2050.

From the start of the Ninian Hub Decommissioning Project, CNRI has managed to reduce the duration of the P&A program and EDC activities and improve the CoP target date, therefore reducing overall emissions. Through supply chain engagement, CNRI will continue to look for opportunities to reduce emissions for the remaining phases of the project.

### 4.1. Summary of Characteristics and Sensitivities

#### 4.1.1. Physical Environment

NCP is in Block 3/3 of the NNS in a water depth of approximately 133 m, ref. Figure 4-1. The direction of residual water movement in the NNS is generally to the southeast. The mean residual current surrounding the NCP field is approximately 0.12 m/s. The prevailing winds in the NNS are from the south-west or north-northeast. The annual mean wave height in the NNS region follows a gradient increasing from the southern point in the Fladen / Witch Grounds to the northern area of the East Shetland Basin. In the south, the mean wave height ranges from 2.11-2.40 m whilst in the north it ranges from 2.41-3.00 m.

#### **4.1.2. Seabed Sediments and Contamination**

In the NNS, seabed sediments generally comprise a veneer of unconsolidated terrigenous and biogenic deposits, generally much less than 1 m thick.

The seabed sediment in the NCP area generally showed low variation, classified as fine to very fine sands. The seabed close to NCP is impacted and comprises of muddy sediments, often intermixed with drill cuttings.

The NCP cuttings pile is the main seabed feature that rises to approximately 12 m above the natural seabed on the east side of the CGBS, with some cuttings within the outer walls of the CGBS. Sampling has been completed and analysis of the cuttings pile is due at the time of writing.

#### **4.1.3. Fish and Shellfish**

The NCP is located in International Council for the Exploration of the Sea (ICES) rectangle 50F1, an area of spawning and nursery grounds for several commercially important species.

ICES rectangle 50F1 is located within a high intensity spawning ground for cod (Jan to Apr), haddock (Feb to May), Norway pout and saithe (Jan to Apr), whiting (Feb to Jun) and sandeel (benthic spawning species) (Nov to Feb).

In addition, rectangle 50F1 is a nursery ground for anglerfish, blue whiting, European hake, haddock, herring, ling, mackerel, Norway pout, sandeel, spurdog and whiting (throughout the year).

#### **4.1.4. Benthic Communities**

A pre-decommissioning environmental baseline survey was conducted in 2011<sup>6</sup>. A total of 280 taxa were identified in the NCP area 50.0% of which were annelids, 21.0% arthropods, 17.4% molluscs, 5.8% echinoderms, and 5.8% other phyla. Of the 9,048 individual animals recorded, 5,542 (61.3%) were annelids, 780 (8.6%) arthropods, 2,385 (26.4%) molluscs, 103 (1.1%) echinoderms and 238 (2.6%) other phyla.

Paramphipnomus jeffreysii and Amythasides macroglossus are listed as component biotopes of the 'Offshore deep sea muds' and 'Offshore subtidal sands and gravel' Scottish Priority Marine Features (PMF) respectively (NatureScot, 2020). Both these PMFs are known to occur in the area surrounding NCP (NMPi, 2023). 'Offshore subtidal sands and gravel' is also the preferred habitat of ocean quahog Arctica islandica, an Oslo Paris Convention (OSPAR) (2008) 'threatened and / or declining species' and PMF (NatureScot, 2020). However, no ocean quahog were recorded during the survey and NCP is not located within known areas of ocean quahog aggregations as per the NMPi (2023) PMF distribution maps.

No evidence of sub tidal reefs, submarine structures or any other potential Annex I Habitats were found in the vicinity of NCP.

A pre-decommissioning Environmental Baseline Survey (EBS), Habitat Assessment (HA) and Drill Cuttings Characterisation survey, in accordance with OSPAR Recommendation 2006/5, was completed at NCP in summer 2025.

The purpose of the NCP pre-decommissioning environmental survey was to determine the physical, chemical and biological character of the benthic environment in the vicinity of NCP and the wider Ninian field. It will identify and delineate sediment contamination levels resulting from the permitted discharge of cleaned oily cuttings during the drilling programmes undertaken at the site.

#### **4.1.5. Plankton**

Phytoplankton and zooplankton communities are typical of the northern and central North Sea with seasonality in abundance.

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<sup>6</sup> A further pre-decommissioning baseline survey has been conducted in 2025, the result of which is due at the time of writing.

#### 4.1.6. Seabirds

The following species have been recorded within the area: northern fulmar, northern gannet, Arctic skua, great skua, black legged kittiwake, great black backed gull, lesser black backed gull, herring gull, glaucous gull, Arctic tern, common guillemot, razorbill, little auk and Atlantic puffin.

Seabird densities in the area range from 15-52 individuals per km<sup>2</sup> over the winter months (November – March) and also from 15-52 individuals per km<sup>2</sup> over the breeding / summer months (April – October), Table 4-1 below. The majority of species present are at very low (<1) to low (5 – 10) densities, however the northern fulmar exists at very high (5 - 39) densities between the months of August to February.

| Table 4-1: Seabirds likely to be in the vicinity of the Ninian Hub |            |     |     |     |     |      |       |       |     |     |     |     |     |
|--------------------------------------------------------------------|------------|-----|-----|-----|-----|------|-------|-------|-----|-----|-----|-----|-----|
| Species                                                            | Season     | Jan | Feb | Mar | Apr | May  | Jun   | Jul   | Aug | Sep | Oct | Nov | Dec |
| Northern Fulmar                                                    | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Northern Gannet                                                    | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Arctic Skua                                                        | Additional |     |     |     |     |      |       |       |     |     |     |     |     |
| Great Skua                                                         | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
| Black legged Kittiwake                                             | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Black-headed Gull                                                  | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Great Black-backed Gull                                            | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Common Gull                                                        | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
| Lesser Black-backed Gull                                           | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Herring Gull                                                       | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Iceland Gull                                                       | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Glaucous Gull                                                      | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Arctic Tern                                                        | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
| Common Guillemot                                                   | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Additional |     |     |     |     |      |       |       |     |     |     |     |     |
| Razorbill                                                          | Additional |     |     |     |     |      |       |       |     |     |     |     |     |
| Little Auk                                                         | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| Atlantic Puffin                                                    | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
| All Species                                                        | Breeding   |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Winter     |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Additional |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    | Total      |     |     |     |     |      |       |       |     |     |     |     |     |
| Key:                                                               |            |     |     |     |     |      |       |       |     |     |     |     |     |
|                                                                    |            |     |     | <1  | 1-5 | 5-15 | 15-30 | 30-52 |     |     |     |     |     |

Seabird sensitivity in Block 3/3 is low all year round. NCP is located approximately 121 km from the nearest UK coast and is therefore remote from sensitive seabird breeding areas on the coast.

Over recent years there has been growing interest and reports of birds nesting on offshore installations, albeit in small numbers in the NNS. The species confirmed to have nested on offshore installation in the UKCS are black legged kittiwakes, herring gulls, razorbills, guillemots, and lesser black backed gulls.

CNRI regularly undertake vessel and topsides-based surveys to identify whether and which bird species use NCP ref. [1]. Four bird species were identified in the vicinity of NCP during the most recent survey, 2025 (herring gull, swallow, gannet, northern fulmar). From previous surveys, 2023 and 2024, additional

bird species observed in the vicinity included black backed gull and kittiwakes.

The 2023, 2024 and 2025 surveys found no evidence of current or previous nesting locations or birds displaying nesting behaviour ref. [1].

#### **4.1.7. Marine Mammals**

##### **4.1.7.1. Cetaceans**

Cetacean species that could potentially occur within the area include white-beaked dolphin, minke whale and harbour porpoise. Harbour porpoises are listed under Annex II of the EU Habitats Directive and all three species are listed as Scottish PMFs. All cetacean species occurring in UK waters are afforded European Protected Species (EPS) status. Details of the sightings and abundance of these species within the vicinity of NCP can be summarised as follows [1]:

- Minke whale – low density (July)
- Harbour porpoise – low density (May, Jul – Aug)
- White-beaked dolphin – low density (July)

##### **4.1.7.2. Seals**

NCP is located approximately 121 km offshore. As a result, grey and harbour seals may be encountered from time to time but it is not likely that they use the area with any regularity or in great numbers. This is confirmed by the grey and harbour seal density maps published by the Sea Mammal Research Unit (SMRU), which are provided in the NMPI (2023). The maps report the presence of grey and harbour seals in the NCP area as between 0 and 0.001% at sea population per 25 km<sup>2</sup>.

#### **4.1.8. Conservation Designations**

The closest protected area to NCP is the Pobie Bank Reef Site Special Area of Conservation (SAC), which lies 74 km to the west of the installation. Due to the distances involved, it is unlikely that these designated sites or the Annex I features within them will be affected by decommissioning operations at NCP.

There are no designated Nature Conservation Marine Protected Areas (NC MPAs) in the vicinity of NCP. The closest NC MPAs to NCP are the Fetlar to Haroldswick (122 km to the west), the North-east Faroe-Shetland Channel (149 km to the north-west), and the Faroe-Shetland sponge belt (171 km north-west). Given the large distance to NCP, no impacts are predicted as a result of decommissioning operations at NCP.

No evidence of subtidal reefs, submarine structures or any other potential Annex I Habitats are to be found in the vicinity of NCP.

#### **4.1.9. Commercial Fisheries**

NCP is located within ICES rectangle 50F1. UK fishing effort within this rectangle varies both monthly and annually with fishing occurring year-round. 50F1 is of moderate significance to fisheries within the area, producing a moderate level of value / landed weight per unit effort compared to other regions in the wider North Sea. The effort within 50F1 is focused to the southeast and to the north / northwest, with a mean fishing effort of 323 days between 2019 and 2023. Fishing effort was highest in 2021 with 445 days fished. Fishing effort for 50F1 contributed, on average, 0.3% of the UK total effort each year from 2019 to 2023.

Landings are a combination of demersal, pelagic and shellfish species. Landing data from 50F1 indicates that demersal fisheries dominate both tonnage of landings and value. Over the last five years fishing in 50F1 contributed on average 0.6% of UK total landings by value and 0.6% by weight.

#### **4.1.10. Shipping**

The North Sea contains some of the world's busiest shipping routes, with significant traffic generated by vessels trading between ports at either side of the North Sea and the Baltic. North Sea oil and gas fields generate moderate vessel traffic in the form of support vessels, principally operating from Peterhead, Aberdeen, Montrose and Dundee in the north and Great Yarmouth and Lowestoft in the south.

NCP is located in an area that experiences low shipping intensity.

#### **4.1.11. Other offshore industries**

Oil and gas development in this region of the North Sea is relatively intensive, with a number of other fields located nearby (seven developments within a 40 km radius).

The nearest operational renewable energy project is the Moray offshore windfarm located approximately 364 km southwest of NCP. The nearest ScotWind lease area, offered to ESB Asset Development, is NE1, located approximately 83 km to the west. NCP is located within the Innovation and Targeted Oil and Gas (INTOG) area NE-b.

There are no active aquaculture or shellfish protected waters in the vicinity of the proposed operations. The closest active aquaculture site is located along the east coast of Shetland, approximately 121 km from the proposed operations.

#### **4.1.12. Other users of the sea**

##### **4.1.12.1. Military activity**

Block 3/3 features a Ministry of Defence (MoD) restriction as it lies within military training grounds. This does not mean that activities would necessarily be prohibited but highlights increased sensitivities / restrictions within Block 3/3, which would need to be addressed during various stages of the decommissioning process.

##### **4.1.12.2. Submarine cables**

There are no known cables in the vicinity of NCP. The closest cable is an active telecommunications cable located approximately 74 km east southeast of NCP<sup>7</sup>.

##### **4.1.12.3. Wrecks**

There are several non-dangerous wrecks in the vicinity of NCP. The closest known wrecks to NCP are both unidentified non-dangerous wrecks, one located 5 km west-southwest and the other located 18 km east-northeast. Due to the distance from the proposed project area, no interaction with these wrecks is expected. There are no scheduled monuments (including wrecks), war graves or Historic Marine Protected Areas (HMPAs) located within Block 3/3 (NMPi, 2023).

#### **4.1.13. Other marine licences / activities**

There are no pending or active marine licence areas within the proposed project area. The closest CCS licence areas NNS 1 and NNS 2 are located approximately 55 km to the north of NCP.

## **4.2. Potential Environmental Impacts and their Management**

There will be planned environmental impacts arising from the decommissioning of the NCP topsides. Long-term environmental impacts arising from the decommissioning operations will be low. The majority of impacts will be short term, localised and of low significance provided the proposed mitigation measures are in place, ref. [1].

The accidental total loss of a project-supporting vessel and subsequent release of hydrocarbon inventory to sea has been ranked as representing a “medium” environmental risk; however, the likelihood of an event of this nature occurring is extremely remote. In addition, there are multiple mitigations in place to reduce the likelihood of occurrence.

Disturbance of nesting birds has been ranked as a high environmental risk. Through annual bird surveys conducted by an independent specialist, and monthly surveys conducted by trained platform personnel, no evidence of nesting individuals has been identified to date.

These surveys will continue on this basis throughout the duration of the decommissioning project and will further the development of the current Bird Management Plan.

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<sup>7</sup> <https://kis-orca.org/map/>

| Table 4-2: Environmental Impact Management – Topsides Removal                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Impacts (Planned)                                                                                                                                                                                                                                                                                                                                                          | Management                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Atmospheric Emissions<br>Offshore Vessels<br>Emissions associated with the offshore work scopes impacting on climate change and air quality. 23,208 tonnes of CO <sub>2</sub> equivalent are calculated for the topsides removal and transport operations, representing 0.16% of total UKCS CO <sub>2</sub> e emissions in 2022.                                                | <ul style="list-style-type: none"> <li>• Use of low sulphur diesel fuel in vessels</li> <li>• Contractor selection process – maintenance programme to be assessed to ensure on-board operational practices will address fuel efficiency</li> <li>• MARPOL compliance</li> <li>• Vessels will be managed to minimise duration of activities and on-board operational practices will address fuel efficiency</li> </ul>                                                |
| Atmospheric Emissions<br>Onshore Activities<br>Emissions associated with e.g. transport and recycling impacting on climate change and air quality                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• Contract for dismantlement to be awarded to an established site with appropriate experience, capability, licences, consents and community engagement in place</li> <li>• Environmental audit of site to be conducted (to include a site visit)</li> <li>• CNRI contractor management / selection process</li> <li>• Review site records of engagement with communities and close out any issues that have arisen</li> </ul> |
| Seabed Disturbance<br>Disturbance associated with laydown and recovery of flexible catenary risers. Estimated footprint 5,800 m <sup>2</sup> , assuming single straight corridor per riser (as opposed to coiled on seabed) and no overlap of protective materials or risers as a worst case. Assume temporary disturbance extends 1 m beyond physical footprint of mattresses. | <ul style="list-style-type: none"> <li>• Controlled laydown on to pre-planned seabed locations.</li> <li>• Laydown of risers to be supported by appropriate marine licences.</li> <li>• Any additional temporary stabilisation materials required will be subject to the appropriate consents / approvals.</li> <li>• Appropriate risk assessment through the MATs / SATs (MCAA) system</li> </ul>                                                                   |
| Resource Use<br>Offshore and Onshore Activities<br>Fuel used in plant / equipment / vessels and vehicles                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• Vessel and plant / equipment maintenance</li> <li>• Monitor fuel use to identify excessive fuel consumption which may indicate, for example, equipment malfunction, lack of effective maintenance, operator error</li> <li>• Vessel and vehicle scheduling to optimise fuel use i.e. minimise transits and transit time, ensure vessels / vehicles fully utilised</li> </ul>                                                |
| Resource Use<br>Onshore Activities<br>Use of landfill space                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>• Maximum re-use, recovery / recycling opportunities to be pursued by disposal contractor. Waste management hierarchy to be followed</li> <li>• Selection of suitably experienced and competent disposal contractor</li> <li>• Project waste management plan in place</li> <li>• Accurate materials inventory</li> </ul>                                                                                                      |
| Discharges to Sea<br>Offshore Vessels<br>Discharges (routine) e.g. greywater, ballast water                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>• Vessels to follow IMO Ballast Water Management Convention. All vessels to implement a ballast water management plan and maintain a ballast water record book</li> <li>• All discharges to be in line with IMO / MARPOL standards</li> <li>• Vessels to comply with CNRI marine assurance standards</li> </ul>                                                                                                               |

**Table 4-2: Environmental Impact Management – Topsides Removal**

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Discharges to Sea<br/>Offshore Activity<br/>Cutting of risers leading to discharges of residual hydrocarbon / chemicals / inhibited seawater in hard to reach areas which have not been fully removed by Drain, Flush, Purge, Vent (DFPV)</p> | <ul style="list-style-type: none"> <li>• Predefined cleanliness achieved through hydrocarbon freeing. The project aims to achieve below as technically feasible or as close to 30 mg/l oil in water content and 5 bq/g NORM contamination in the pipeline being decommissioned.</li> <li>• Rationalisation / minimisation of chemical / hydrocarbon inventory</li> <li>• Pre-removal inspections to identify and mitigate / remove potential release sources</li> <li>• Implement BAT/BEP/ALARP for cleanliness standards</li> <li>• Wax is expected in the oil pipelines from Strathspey (PL918, PL919, PL920 and PL921) and NSP (PL1999). Flushing and pigging operations to facilitate disconnections have been discussed and agreed with OPRED as a basis for demonstrating that BAT/BEP has been achieved and reasonable endeavours to remove wax have been made. Wax removal will generally be addressed via the following methodology:               <ol style="list-style-type: none"> <li>1. Enhanced pigging just pre-CoP.</li> <li>2. Flushed during platform EDC activities.</li> <li>3. Further flushing and/or pigging at pipeline EDC to meet cleanliness spec – verified via sampling on NCP where possible. Assess residual wax within the pipelines.</li> <li>4. Leave seawater filled and air gapped at NCP topsides tie-ins.</li> </ol> </li> <li>• Residual wax – following the above defined flushing and pigging steps and prior to riser disconnection, the quantity of residual wax within the risers will be determined. Discharge risk assessments and other mitigations will be employed.</li> <li>• Prior to decommissioning, the content of each umbilical and riser will be determined. Where prior removal of the chemicals by flushing is not possible, discharge risk assessments and other mitigations will be employed. If chemicals have left the CEFAS list, it may be possible to source historic templates to use in discharge risk assessments.</li> </ul> |
| <p>Underwater Noise<br/>Offshore Vessels<br/>Injury/disturbance to marine species</p>                                                                                                                                                            | <ul style="list-style-type: none"> <li>• Optimisation of vessel activities to minimise vessel durations</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>Physical Presence<br/>Offshore Vessels<br/>Impact on other users of the sea</p>                                                                                                                                                               | <ul style="list-style-type: none"> <li>• Standard communication channels to be utilised to inform other users of the sea of vessel presence e.g. UK Hydrographic Office, Kingfisher, Notice to Mariners, Radio Navigation Warnings</li> <li>• Collision risk assessment</li> <li>• Stakeholder consultation</li> <li>• Logistics plan</li> <li>• Optimisation of vessel activities to minimise vessel durations</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Table 4-2: Environmental Impact Management – Topsides Removal                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise and Odour<br>Onshore Dismantling Yard                                                                            | <ul style="list-style-type: none"> <li>Contract for dismantlement to be awarded to an established site with appropriate experience, capability, licences, consents and community engagement in place</li> <li>Environmental audit of site to be conducted (to include a site visit)</li> <li>CNRI contractor management / selection process</li> <li>Review site records of engagement with communities and close out of any issues arising</li> </ul> |
| Main Impacts (Unplanned)                                                                                               | Management                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Discharges to Sea<br>Offshore Vessels<br>Hydrocarbon releases to sea                                                   | <ul style="list-style-type: none"> <li>SOPEP</li> <li>Collision risk assessment</li> <li>Maintenance procedures</li> <li>SIMOPs</li> <li>Vessels will be selected that comply with IMO / MCA codes for prevention of oil pollution</li> <li>Pre mobilisation audits to be carried out to include a comprehensive review of spill prevention procedures</li> </ul>                                                                                      |
| Discharges to Sea<br>Topsides Equipment (pipework, containment vessels)<br>Hydrocarbon and / or chemical spills to sea | <ul style="list-style-type: none"> <li>Predefined cleanliness achieved through hydrocarbon freeing</li> <li>Rationalisation / minimisation of chemical / hydrocarbon</li> <li>Pre-removal inspections to identify and mitigate/remove potential release sources</li> <li>Implement BAT/BEP/ALARP for cleanliness standards</li> </ul>                                                                                                                  |
| Seabird Disturbance<br>Disturbance of nesting birds and / or fledglings                                                | <ul style="list-style-type: none"> <li>Ongoing annual bird survey programme to inform the requirement to publish and implement a targeted Bird Management Plan. This will include consideration of the use of bird deterrent technologies / methodologies</li> </ul>                                                                                                                                                                                   |

### 4.3. Transboundary and Cumulative Impacts

At this time, final destinations of materials from the removal of the topsides and catenary risers are not known; however, should they require transportation and / or disposal out with the UK, audits of the non-UK locations and all necessary permits will be in place (e.g. TFSW). Transboundary effects may occur should a catastrophic unplanned event take place e.g. sinking of a support vessel or vessel collision resulting in a total loss of hydrocarbon inventory.

In terms of cumulative impacts, the operational schedule is not fully defined and therefore temporal or spatial overlap between Ninian Hub activities and neighbouring activities (including third parties) cannot currently be defined or appropriately assessed. However, as the project develops, this information will become available and consideration of transboundary and / or cumulative impacts will be assessed as part of the permitting requirements for the decommissioning activities.

## 5. INTERESTED PARTY CONSULTATIONS

### 5.1. Scope and Form of Consultation

Consultation with stakeholders on the NCP topsides decommissioning has been set in the context of the Ninian Field as a whole, where possible taking the comments, questions and learnings from engagement on NSP to inform development of plans, then following up more specifically where required. The objective throughout has been to ensure that comments and questions raised in connection with NSP, as well as additional learnings gathered during the engagement process, could be used to inform the development of the plans for decommissioning NCP and subsea infrastructure without creating stakeholder fatigue.

### 5.2. Communications Methods Summary

This section indicates the methods used to communicate and consult with stakeholders prior to the formal statutory and public consultation on the draft DP. It also indicates the methods used to communicate and consult with other, non-statutory stakeholders prior to the formal consultation. Response to the consultation on the Draft DP will be added to the final DP when presented to OPRED for approval.

| Table 5-1: Summary of Other Stakeholder Activity                |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Informal Consultations Record                                   |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                 |
| Stakeholder                                                     | Comment                                                                                                                                                                                                                                                                                                                                                                                                         | Response                                                                                                                                                                                                                                                                                        |
| NSTA                                                            | Asset repurposing screening template completed for Ninian Hub and returned in association with Tier 2 Review for 2022, with follow up meeting held May 2023                                                                                                                                                                                                                                                     | NSTA agreed no value in pursuing repurposing or re-use option for NCP                                                                                                                                                                                                                           |
| 100 stakeholder organisations                                   | Invited to participate in online workshops: i) introducing Ninian Field and NCP decommissioning in general and NSP in particular held 04.07.24; and ii) introducing NCP specifically at a workshop held 20.05.25. Pre-read information and follow up reports issued capturing discussions and comment for both events issued to all 100 stakeholder organisations. Materials published <a href="#">online</a> . | Stakeholder meetings set up in direct response to points raised (see below). Other points raised captured for addressing in DP and supporting documentation                                                                                                                                     |
| Marine Alliance for Science and Technology for Scotland (MASTS) | Discussions on approach to involving academics in research opportunities and role which MASTS could play                                                                                                                                                                                                                                                                                                        | Used to inform approach to Research Academics meeting on 28.08.24.<br>Subsequent discussion about potential collaborations held with MASTS 26.05.25.                                                                                                                                            |
| Edinburgh University                                            | Post-workshop academic literature review and consultation with specialist organisations including JNCC and others regarding potential presence of and impact of decommissioning on elasmobranchs (including porbeagles, skates and rays) in the North Sea                                                                                                                                                       | Incorporated into environmental assessment. While studies on this are limited, from the information found, it is unlikely elasmobranchs would be severely impacted given a) natural response to avoid, and b) limited presence which would be expected in context of an extended period of time |

| Table 5-1: Summary of Other Stakeholder Activity                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Informal Consultations Record                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Stakeholder                                                     | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Response                                                                                                                                                   |
|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | and so on. Research paper in Nature about elasmobranchs and noise has been included in environmental impacts assessment as a basis of behavioural response |
| Global Marine Systems (GMS)                                     | In response to CNRI request for details of cable proximity, GMS confirmed that there are no active telecom cables in the vicinity (the closest is over 50km away). Advised that if decommissioning plans change and seabed invasive operations are to occur near existing telecom infrastructure, operational notifications to any nearby cable owners of any upcoming operations will be required                                                                                                                                       | Noted                                                                                                                                                      |
| JNCC and WDC                                                    | Post-workshop follow-up meeting held 21.08.24 to explore operator need for guidance on noise measurement and new modelling techniques, and research opportunities in the context of Ninian Field decommissioning                                                                                                                                                                                                                                                                                                                         | Liaison ongoing with JNCC, keeping WDC informed on progress                                                                                                |
| JNCC                                                            | Formal opinions sought under Discretionary Advice Service for NCP and NSP Environmental Scoping Reports and before the June 2025 NCP Environmental Baseline Survey                                                                                                                                                                                                                                                                                                                                                                       | Comments incorporated into planning                                                                                                                        |
| Northern Lighthouse Board                                       | Post-workshop follow-up meeting held 28.8.24 to explore navigational safety matters in more detail and to seek guidance from NLB in that context in relation to different decommissioning phases. Recommended liaison with other operators on their Navaid experienced. Follow up meeting held with NLB and Maritime and Coastguard Agency (MCA) 10.12.24 to explore plans for ensuring suitability of aids to navigation during different decommissioning stages. Recommended liaison with other operators on their navaid experiences. | Liaison ongoing as plans evolve.                                                                                                                           |
| Fairfield Energy, Repsol, Shell, TAQA, NEO Next+ E&P UK Limited | Experiences from other operators regarding learnings shared Sept/Oct 2024, including aids to navigation, gathered to inform approach to risk mitigation during different decommissioning phases                                                                                                                                                                                                                                                                                                                                          | Being used to inform NSP and NCP safety planning during execution and potentially beyond                                                                   |

| Table 5-1: Summary of Other Stakeholder Activity                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Informal Consultations Record                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                    |
| Stakeholder                                                             | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Response                                                                                                                                                                                                                                                                           |
| Research Academics and INSITE North Sea Programme                       | <p>Post-workshop follow-up meeting held 28.08.24 to set out research collaboration opportunities on both regular and <i>ad hoc</i> offshore interventions and hear about research programmes which may benefit from support.</p> <p>Three separate briefings also held with INSITE North Sea Secretariat (2.7.24, 2.12.24 and 18.3.25) on potential opportunities to support academic research in relation to the Ninian Field decommissioning</p>                                                                                                           | Liaison and support ongoing, with three universities (Aberdeen, Edinburgh and Scottish Association for Marine Science) while, in the context of and the NERC-funded ValMas Research Programme, CNRI offered practical support to the three shortlisted multi-institution consortia |
| Scottish Fishermen's Federation (SFF)                                   | <p>A follow-up meeting was held on 19.09.24 to discuss the interests of commercial fisheries. The discussion focused on navigational safety and how to manage risks during and after the decommissioning of NSP. The meeting also covered decommissioning plans for the wider Ninian Hub area, including the Ninian Central Platform and subsea infrastructure.</p> <p>Discussion of requirements and recent experiences by other operators, need for visibility of aids to navigation, arrangements for marking during different decommissioning phases</p> | Liaison ongoing as plans progress                                                                                                                                                                                                                                                  |
| 100 stakeholder organisations                                           | Draft Environmental Scoping Reports for environmental assessment of NCP issued for 30-day consultation (covering substructure). Topsides report offered on request where not issued with CGBS report. Responses issued to all stakeholders in collated report 31.7.25                                                                                                                                                                                                                                                                                        | Comments used to further inform NCP scope                                                                                                                                                                                                                                          |
| OPRED (Offshore Decommissioning Unit and Environmental Management Team) | Ongoing liaison at quarterly meetings; NSTA regularly present; ad hoc interim meetings held as required                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Liaison to continue                                                                                                                                                                                                                                                                |
| Serica Energy                                                           | Monthly interface meetings initiated to discuss arrangements for Orlando Riser and Umbilical decommissioning                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Liaison ongoing                                                                                                                                                                                                                                                                    |
| CNRI Website                                                            | Regular updates to website as relevant information becomes available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To continue                                                                                                                                                                                                                                                                        |
| RSPB                                                                    | Written briefing on ornithological approach at NSP and NCP provided 28.03.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Liaison to continue if requested by stakeholder                                                                                                                                                                                                                                    |
| OEUK Share Fair '25                                                     | Participation in annual supply chain event setting out opportunities across the decommissioning portfolio.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Supply chain follow-up enquiries being addressed as and when received                                                                                                                                                                                                              |

| Table 5-1: Summary of Other Stakeholder Activity |                                                                                                                                                  |                                                                                                                                   |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Informal Consultations Record                    |                                                                                                                                                  |                                                                                                                                   |
| Stakeholder                                      | Comment                                                                                                                                          | Response                                                                                                                          |
| NEO Next+ E&P UK Limited and EnQuest             | Meeting held 15.5.25 to discuss treatment of riser sections within DP                                                                            | Liaison to continue                                                                                                               |
| Imperial College                                 | Exploratory meeting held 28.5.25 to discuss approaches to CA                                                                                     | For information                                                                                                                   |
| Scottish Association for Marine Science          | Meeting held 27.6.25 to discuss potential approaches to noise monitoring during decommissioning and comparisons before/after execution           | Liaison to continue                                                                                                               |
| JNCC and OPRED EMT                               | Guidance sought 24.7.25 on scope of coldwater coral assessment for Ninian Hub assets to ensure correct characterisation and quantification       | Responses incorporated into specialist study scope of work                                                                        |
| National Museums Scotland                        | Meeting held 24.7.25 to explore opportunities for collection of artifacts and personal histories to preserve legacy of the Ninian Field          | Liaison to continue, noting desire for collaboration with other Scottish museums and archives who are being approached separately |
| Sue Jane Taylor, Industrial Artist               | Meeting held 25.7.25 to discuss legacy activities and draw on personal knowledge of relevance                                                    | To be incorporated into legacy activities                                                                                         |
| Shetland Museum and Archive                      | Meeting held 13.8.25 to discuss legacy opportunities for the collection                                                                          |                                                                                                                                   |
| Greenpeace and OPRED                             | Liaison during Q3 2025 to establish requirements to consider reinjection as part of drill cuttings management assessment                         | CNRI to follow the regulatory instruction to consider this in BAT/BEP report                                                      |
| EnQuest (for Sullom Voe Terminal)                | Discussions held August/September 2025 to share activity on CNRI/EnQuest plans for legacy approach                                               | Contact to be maintained                                                                                                          |
| SFF                                              | Update meeting held 18.9.25 with fishing awareness visit held in Peterhead and Fraserburgh 8.10.25 for the decommissioning team.                 | Contact to be maintained                                                                                                          |
| Aberdeen Maritime Museum                         | Discussions initiated 18.9.25 as a precursor to preserving legacy objects                                                                        | Contact to be maintained                                                                                                          |
| Capturing the Energy                             | Meeting held 30.10.25 to agree approach to arrangements for document preservation                                                                | Contact to be maintained                                                                                                          |
| Kishorn Port                                     | Participation in legacy events and ongoing dialogue on aligning approach to legacy capture during November 2025                                  | Contact to be maintained                                                                                                          |
| Offshore Decommissioning Conference              | Active participation and dialogue at conference November 2025 with supply chain and other operators to identify opportunities and share learning | Follow up undertaken with relevant operators and supply chain companies                                                           |

### 5.3. Statutory Consultees Engagement and Comment

[HOLD 1]

| Table 5-2: Summary of Stakeholder Comments       |          |          |
|--------------------------------------------------|----------|----------|
| UK Statutory Consultations                       |          |          |
| Stakeholder                                      | Comment  | Response |
| National Federation of Fishermen's Organisations | [HOLD 1] | [HOLD 1] |
| Scottish Fishermen's Federation                  | [HOLD 1] | [HOLD 1] |
| Northern Ireland Fishermen's Federation          | [HOLD 1] | [HOLD 1] |
| Global Marine Systems Limited                    | [HOLD 1] | [HOLD 1] |
| North Sea Transition Authority                   | [HOLD 1] | [HOLD 1] |

Responses to Statutory Consultations by Interested Stakeholders

| Table 5-3: Consultations - Summary of Responses (Non-Statutory Consultees) |          |          |
|----------------------------------------------------------------------------|----------|----------|
| Responses to Statutory Consultations by Interested Stakeholders            |          |          |
| Stakeholder                                                                | Comment  | Response |
|                                                                            | [HOLD 1] | [HOLD 1] |
|                                                                            | [HOLD 1] | [HOLD 1] |
|                                                                            | [HOLD 1] | [HOLD 1] |
|                                                                            | [HOLD 1] | [HOLD 1] |
|                                                                            | [HOLD 1] | [HOLD 1] |

## **6. PROGRAMME MANAGEMENT**

### **6.1. Project Management and Verification**

On behalf of the Section 29 holders, a CNRI project management team will be appointed to manage the operations of competent contractors selected for the well abandonment, decommissioning, and removal and disposal scopes of work.

Operational controls, hazard identification and risk management will be governed by CNRI's Safety, Health and Environmental Management System. The work will be coordinated with due regard to the interfaces with other operators' oil and gas assets and with other users of the sea.

CNRI will control and manage the progress of all permits, licences, authorisations, notices, consents and consultations required. Any significant changes to these decommissioning programmes will be discussed with OPRED and approval sought.

### **6.2. Post-Decommissioning Debris Clearance and Verification**

The base case for removal of the topsides is between 2029 and 2032. The exact removal date of the topsides will be determined by CNRI and the removals contractor and dependent on vessel availability.

#### **6.2.1. As Left Status**

Following removal of the topsides, the remaining sub-structure will be marked by navigational aids that are in compliance with the regulatory Standard Marking Schedule<sup>8</sup> requirements. An as-left survey will be conducted on the sub-structure following topsides removal. The 500m safety zone will remain in place as long as the sub-structure remains above the water line.

Following complete Ninian Hub decommissioning, an independent verification of the seabed will be performed, and CNRI will conduct a post decommissioning environmental survey.

Oilfield related seabed debris will be recovered as part of the Ninian Hub subsea removals campaign(s), for onshore disposal or recycling in line with existing disposal methods.

The post-decommissioning survey results will be notified to OPRED and the United Kingdom Hydrographic Office (UKHO) for marking on Admiralty Charts and inclusion in Notices to Mariners and uploaded to Kingfisher for inclusion in the FishSAFE system.

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<sup>8</sup> DECC, Standard Marking Schedule, [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/208141/Standard\\_Marking\\_Schedule.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/208141/Standard_Marking_Schedule.pdf)

### 6.3. Indicative Schedule

The main milestones in the NCP topsides decommissioning process are anticipated to be:

- Engineering: 2024 – 2033
- NCP cessation of production: between 31<sup>st</sup> December 2026 and 30<sup>th</sup> June 2027
- NCP well abandonment: 2026 – 2028
- NCP preparation for removal: 2028 – 2030
- NCP Topsides removal: 2029 – 2032
- Sub-structure as left survey: following topsides removal
- Post removal survey: following topsides removal

The proposed NCP topsides decommissioning schedule is shown in Figure 6-1 below. Activities are subject to vessel availability and thus activity schedule windows are included to account for uncertainty.

|                                      | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <b>Engineering</b>                   |      |      |      |      |      |      |      |      |      |      |
| <b>Engineering Down and Cleaning</b> |      |      |      |      |      |      |      |      |      |      |
| <b>Cessation of Production</b>       |      |      |      |      |      |      |      |      |      |      |
| <b>Well Plug and Abandonment</b>     |      |      |      |      |      |      |      |      |      |      |
| <b>Topsides Removal</b>              |      |      |      |      |      |      |      |      |      |      |
| <b>Onshore Waste Disposal</b>        |      |      |      |      |      |      |      |      |      |      |
| <b>Close Out Report</b>              |      |      |      |      |      |      |      |      |      |      |

Key:



Earliest Potential Activity



Potential Activity Schedule Window

**Figure 6-1 Indicative Project Schedule**

## 6.4. Costs

| Table 6-1: Provisional Decommissioning Programme(s) Costs |                     |
|-----------------------------------------------------------|---------------------|
| Item                                                      | Estimated Cost (£m) |
| WBS 1 – Operator Project Management                       | Provided to OPRED   |
| WBS 2 – Post CoP OPEX                                     | Provided to OPRED   |
| WBS 3 – Well Abandonment                                  | Provided to OPRED   |
| WBS 4 – Facilities / Pipelines Make Safe                  | Provided to OPRED   |
| WBS 5 – Topsides Preparation                              | Provided to OPRED   |
| WBS 6 – Topsides Removals                                 | Provided to OPRED   |
| WBS 7 – Sub-structure Removals                            | Provided to OPRED   |
| WBS 8 – Topsides and Sub-structure Onshore Recycling      | Provided to OPRED   |
| <b>TOTAL</b>                                              | Provided to OPRED   |

## 6.5. Close Out

In accordance with the BEIS Decommissioning Guidance Notes ref. [2], a close out report will be submitted to OPRED within twelve months of the completion of the offshore decommissioning scope and disposal. Any variances from the approved Decommissioning Programme will be described and explained in the close out report.

## 6.6. Post-Decommissioning Monitoring and Evaluation

A post decommissioning environmental seabed survey will be carried out in the vicinity of the NCP following the completion of Ninian Hub decommissioning. The survey will focus on chemical and physical disturbances resulting from the completed decommissioning operations and will be compared with the pre-decommissioning survey.

Following topsides removal, the 500m exclusion zone will remain in place. In addition, navigational aids will be in place to mitigate the potential risk of ship collision. These will be manufactured and installed with access for maintenance and a process to monitor and rectify any issues for the period that they are in use. A Consent to Locate will be applied for and engagement with the relevant statutory bodies such as the Northern Lighthouse Board will be conducted to agree the specific markers. CNRI will develop maintenance and monitoring procedures that will include remote monitoring, periodic maintenance and testing in compliance with the Consent to Locate. The design, manufacture, installation and maintenance of the navigational aids will be assured via an independent verification scheme and will be further defined in the Safety Case.

Following the completion of the Ninian Hub decommissioning, including subsea decommissioning, a post decommissioning environmental seabed survey will be carried out in the vicinity of NCP. The survey will include chemical and physical disturbances resulting from the completed decommissioning operations. The requirement for further surveys will be discussed and agreed with OPRED

## 7. SUPPORTING DOCUMENTS

| Table 7-1: Supporting and Reference Documents |                                                                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Reference                                     | Title                                                                                                               |
| [1]                                           | Ninian Central Platform (NCP) Topsides and Catenary Risers – ENVID Report, PO1627589-GEN-EN-REP-00021, B2, Jun 2025 |
| [2]                                           | BEIS Guidance Notes – Decommissioning of Offshore Oil and Gas Installations and Pipelines, Nov 2018                 |
| [3]                                           | Decom North Sea Environmental Appraisal Guidelines: Offshore Oil & Gas Decommissioning, 2018                        |

## **8. SECTION 29 NOTICE HOLDERS' LETTERS OF SUPPORT**

[HOLD 2]

## **APPENDICES**

### **Public Notice**

[HOLD 3]

## **Statutory Consultee Correspondence**

[HOLD 4]