# Shell U.K. Limited



# Leman BH Decommissioning Programme

# FINAL



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## Terms and Abbreviations and Acronyms

| Abbreviation   | Explanation   |
|----------------|---|
| BEIS           | Department for Business, Energy and Industrial Strategy             |
| BScf           | Billion Standard Cubic Feet   |
| CtL            | Consent to locate   |
| DECC           | Department of Energy and Climate Change                             |
| DEFRA          | Department of Environment, Food and Rural Affairs                   |
| DP             | Decommissioning Programme   |
| EIA            | Environmental Impact Assessment                                     |
| ES             | Environmental Statement   |
| EUR            | European  |
| DSV            | Diving Support Vessel   |
| HLV            | Heavy Lift Vessel   |
| JNCC           | Joint Nature Conservation Committee                                 |
| Km             | kilometre   |
| LAT            | Lowest Astronomical Tide  |
| LSA            | Low Specific Activity   |
| m              | meter   |
| m <sup>3</sup> | cubic meter   |
| MARPOL         | International Convention for the Prevention of Pollution from Ships |
| mT             | Metric Tonnes   |
| N/A            | Not Applicable  |
| NFFO           | National Federation of Fishermen's Organisations                    |
| NORM           | Naturally Occurring Radioactive Material                            |
| NUI            | Normally Unattended Installation                                    |
| ODU            | Offshore Decommissioning Unit                                       |
| OGUK           | Oil & Gas UK  |
| OPEP           | Oil Pollution Emergency Plan  |
| OPRC           | Oil Pollution Preparedness, Response and Co-operation               |

| Abbreviation | Explanation                             |
|--------------|---|
| OSD          | Offshore Safety Directive               |
| OSPAR        | Oslo and Paris Convention               |
| pSAC         | Proposed Special Area of Conservation   |
| PON 1        | Petroleum Operation Notice 1            |
| ROV          | Remote Operated Vessel                  |
| SCI          | Site of Community Importance            |
| SNS          | Southern North Sea                      |
| SOPEP        | Shipboard Oil Pollution Emergency Plan  |
| SPA          | Special Protection Area                 |
| Те           | Tonne                                   |
| UKBAP        | United Kingdom Biodiversity Action Plan |
| UKCS         | UK Continental Shelf                    |
| UOS          | Unplanned Overnight Shelter             |
| WGS84        | World Geodetic System 1984              |
| WxLxH        | Width x length x height                 |

# 1 EXECUTIVE SUMMARY

## 1.1 Decommissioning Programme

This document contains one Decommissioning Programme (DP) for one Leman BH living quarter platform.

# 1.2 Requirement for Decommissioning Programme

In accordance with the Petroleum Act 1998, the Section 29 notice holders of the Leman BH living quarter platform (Table 1.2) are applying to the Department of Energy and Climate Change (DECC)<sup>1</sup> to obtain approval for decommissioning the installation detailed in Section 2 of this programme. (See also Section 8 – Partner Letters of Support).

In conjunction with public, stakeholder and regulatory consultation, this DP is submitted in compliance with national and international regulations and DECC guidelines. The schedule outlined in this document is for a 4 year decommissioning project. The project started in January 2014 with engineering of the lifting/removal concept.

# 1.3 Introduction

The Leman Field is located in the Southern Basin of the UKCS in license block 49/26. The Leman BH platform is located approximately 50 km east of the Norfolk coast and 62 km west of the UK/Netherlands median line (see Figure 1.1).

The Leman gas field was discovered in December 1965 and comprises of three main complexes, Leman A, B and C and four additional platforms, Leman D and E to the south and Leman F and G to the north (see Figure 1.2). In-place reserves as of 11 April 2005 were estimated at 478 BScf in the Shell Expro concession of the section of the Leman Field that flows over Leman BT/BH. Field life is expected to last until 2032.

The Shell operated Leman B complex consists of two pairs of bridge-linked platforms, Leman BT/BH and Leman BD/BP. The Leman BH and BT platforms are Normally Unattended Installations (NUI). The Leman BT gas transportation platform was installed in June 1970 and the Leman BH living quarter platform which is bridge-linked to BT was installed in February 1981.

The Leman BH platform is a 990 mT topside structure with a 4-leg piled steel jacket installed in 35.7m water depth (LAT).

The Leman BH living quarters became redundant as full-time facilities when compression stopped at the bridge linked Leman BT and was transferred to Leman AK platform in 1996. The remaining purpose of Leman BH is to provide personnel access to Leman BT and to provide shelter for personnel visiting Leman BT. Because of rising maintenance cost, it was decided to decommission Leman BH and to transfer the functionality to Leman BT.

Following stakeholder and regulatory consultation, the DP is submitted without derogation and in full compliance with DECC guidelines (DECC, 2011). This DP relates to a single installation only. There are no pipelines, wells or drill cuttings and therefore no reference will be made to these in the DP. The decommissioning programme explains the principles of the removal activities and is supported by an Environmental Impact Assessment (EIA) Shell U.K. Limited, 2016).

<sup>&</sup>lt;sup>1</sup> Since public consultation, DECC has been replaced by BEIS (Department for Business, Energy and Industrial Strategy). Any further reference to DECC should be taken as BEIS.

# 1.4 Overview of Installation/Pipeline Being Decommissioned

# 1.4.1 Installation

| Table 1.1 Installation Being Decommissioned |                             |  |                                       |  |
|---|-----------------------------|--|---------------------------------------|--|
| Field Name                                  | Leman (BH)                  | Production Type<br>(Oil/Gas/Condensate)          | Living Quarter                        |  |
| Water Depth (m)                             | 35.7                        | UKCS Block                                       | 49/26                                 |  |
|   | Surface li                  | nstallation                                      |                                       |  |
| Number                                      | Туре                        | Topsides Weight (Te)                             | Jacket Weight (Te)                    |  |
| 1   | Fixed Steel Jacket (4 legs) | 1039<br>(990 Te topsides plus<br>49 Te . bridge) | 566                                   |  |
| Subsea installation                         |                             | Number of wells                                  |                                       |  |
| Number                                      | Туре                        | Platform   | Subsea                                |  |
| n/a   | n/a                         | n/a  | n/a                                   |  |
| Dr  | ill cuttings pile           | Distance to<br>Median Line                       | Distance from Nearest<br>UK Coastline |  |
| Number of piles                             | Total estimated volume (m3) | km   | km                                    |  |
| n/a   | n/a                         | 62   | 50                                    |  |

| Table 1.2 Details of the Section 29 Notice Holders |                     |                     |  |
|--|---------------------|---------------------|--|
| Section 29 Notice Holders                          | Registration Number | Equity Interest (%) |  |
| Perenco UK Limited                                 | 04653066            | 35.42               |  |
| Esso Exploration and Production UK Limited         | 00207426            | 27.37               |  |
| Shell U.K. Limited                                 | 00140141            | 27.37               |  |
| SSE E&P UK Limited                                 | SC375371            | 9.84                |  |
| Amoco (U.K.) Exploration Company, LLC              | BR005086            | 0                   |  |
| Amoco U.K. Petroleum Limited                       | 00799710            | 0                   |  |
| BG International Limited                           | 00902239            | 0                   |  |
| Enterprise Oil Limited                             | 01682048            | 0                   |  |
| Hess Limited                                       | 00807346            | 0                   |  |
| Apache Beryl I Limited                             | BRO01327            | 0                   |  |
| Perenco Gas (UK) Limited                           | 00715529            | 0                   |  |

# 1.4.2 Pipeline

N/A

# 1.5 Summary of Proposed Decommissioning Programme

| Table 1.3         Summary of Proposed Decommissioning Programme  |  |  |  |
|--|--|--|--|
| Selected Option  | Reason for Selection   | Proposed Decommissioning Solution  |  |
|  | 1. Te  | opsides  |  |
| Complete removal,<br>onshore dismantling,<br>recycling and disposal  | Complies with requirements of<br>OSPAR Decision 98/3 (OSPAR,<br>1998)) and maximizes recycling<br>of materials   | Prepare topsides for lifting by removing or securing any<br>loose materials or equipment. Remove the bridge<br>connecting Leman BH to BT as part of Leman BT<br>refurbishment project. These activities were completed in<br>2015 - 2016 as part of Leman BT refurbishment/Leman<br>BH pre-lifting preparations. |  |
|  |  | Remove the topsides by HLV and transport ashore for<br>dismantling. The topsides materials and the bridge will be<br>recycled or disposed of as appropriate.   |  |
|  | 2. Ja  | icket  |  |
| Complete removal,<br>onshore dismantling,<br>recycling and disposal  | Complies with requirements of<br>OSPAR Decision 98/3 (OSPAR,<br>1998). Leaves clean seabed,<br>remove potential obstructions to<br>future* fishing operations and<br>maximizes recycling of materials. | The piles will remain in the jacket structure and be cut from<br>the inside of the pile 3 meters below seabed. The jacket<br>and piles will be removed by a Heavy Lift Vessel (HLV) and<br>transported ashore for recycling.   |  |
|  | 3. Bridge from Lemo  | an BH to Leman BT  |  |
| Complete removal and<br>recycle  | Complies with OSPAR<br>requirements and maximizes<br>recycling of materials  | The bridge was removed during the Leman BT refurbishment/Leman BH pre-lifting program and was transported ashore for dismantling and recycling.  |  |
|  | 4. Subsea I  | nstallation  |  |
| N/A  |  |  |  |
|  | 5. Pipelines, Flowlin  | ies and Umbilicals   |  |
| N/A  | 6 \M/all Ala   |  |  |
| ΝΙ/Δ   | 0. Well ADD  | andonment  |  |
|  | 7. Drill (   | Cuttinas   |  |
| N/A  |  |  |  |
|  | 8. Interdep  | pendences  |  |
| There are no alternative of<br>at Clipper PW, but due t<br>temporary refuge) will be<br>of the Leman BH DP.  | uses for the Leman BH platform: it has<br>to its age and integrity, this option v<br>transferred to Leman BT as part of  | as been considered for re-use as an accommodation platform<br>vas rejected. Leman BH functionality (provision of power and<br>Leman BT refurbishment project, which is out with the scope  |  |
| Leman BH and BT platforms are located next to each other linked with a 35 m long bridge. Therefore the 500 m safety zones of Leman BH and Leman BT overlap each other to a great extent (Figure 1.4). The Leman BT safety zone will remain until the time of Leman BT decommissioning as part of the Leman field DP. |  |  |  |
| The 1" electric power cable running from Leman BP to Leman BH will be cut underneath the bottom clamp of the jacket leg as close as possible near the seabed. A maximum 1 m long piece of cable will remain at the seabed until the full (or partial) decommissioning of the Leman field.                            |  |  |  |

<sup>\*</sup> Fishing operations may only commence after Leman BT has also been decommissioned and the statutory 500 m radius safety zone has been abrogated.

# 1.6 Field location including field layout and adjacent facilities

Figure 1.1 shows the location of Leman BH platform in the UKCS, Figure 1.2 shows its location in relation to other Leman field platforms, infrastructure and other adjacent facilities, and Figure 1.3 shows the Leman B complex.



Figure 1.1 Field Location in UKCS











Figure 1.4 Leman B Complex 500 m safety zones

| Table 1.4 Adjacent Facilities  |                                      |                        |  |   |             |
|--|--------------------------------------|------------------------|--|---|-------------|
| Owner  | Name                                 | Туре                   | Distance /<br>Direction                            | Information   | Status      |
| Shell<br>ExxonMobil  | Leman BT                             | NUI                    | Bridge-<br>linked to<br>Leman BH<br>35 meters      | BT gas transportation platform<br>receives gas from the Leman<br>Bravo, Charlie, Delta and Echo<br>and exports to Leman Alpha (AP).   | Operational |
| Shell<br>ExxonMobil  | Leman<br>BD/BP                       | NUI                    | 610 meters<br>South East                           | 2 bridge-linked platforms of<br>Leman Bravo complex: wellhead<br>(BD) and production (BP) produce<br>and export gas to Leman A<br>complex via Leman BT.   | Operational |
| Shell<br>ExxonMobil  | Leman<br>CD/CP                       | NUI                    | 2.1 km<br>North West                               | 2 bridge-linked platforms of<br>Leman Charlie complex: well<br>head (CD) and platform (CP)<br>produce and export gas to<br>Leman A complex via Leman BT.  | Operational |
| Shell<br>Exxon/Mobil   | Leman A<br>Complex                   | Manned<br>installation | 3.5 km<br>West North<br>West                       | The complex includes 5 bridge-<br>linked platforms (wellhead ADI<br>and ADII), production platform<br>(AP) and compression platforms<br>(AK and AC). It produces and<br>processes gas from Leman field<br>and other tiebacks, and exports<br>to the Bacton Gas Terminal | Operational |
| Shell<br>ExxonMobil  | PL SO405                             | Pipeline               | From Leman<br>BD/BP to<br>Leman BT is<br>0.62km    | Gas production from Leman<br>BD/BP flows into Leman BT  | Operational |
| Shell<br>ExxonMobil  | PL SO4O4                             | Pipeline               | From Leman<br>CD/CP to<br>Leman BT is<br>2.1km     | Gas production from Leman<br>CD/CP flows into Leman BT  | Operational |
| Shell<br>ExxonMobil  | PL 0406                              | Pipeline               | From Leman<br>D to Leman<br>BT is 8.1km            | Gas production from Leman D<br>flows into Leman BT  | Operational |
| Shell<br>ExxonMobil  | PL SO407                             | Pipeline               | From Leman<br>BT to Leman<br>A Complex<br>is 3.5km | Gas from Leman BT flows into<br>Leman A Complex   | Operational |
| Impacts of De  | Impacts of Decommissioning Proposals |                        |  |   |             |
| Decommissioning of Leman BH has no impact on the adjacent facilities as per Table 1.4. |                                      |                        |  |   |             |

## 1.7 Industrial implications

Shell has completed a rigorous tendering process for selection of the heavy lift vessel for removal and transportation of the Leman BH topside and jacket. The process resulted in selection of the Sheerleg heavy lift vessel for completion of decommissioning activities.

Several dismantling yards in the UK and Netherlands were reviewed and the final selection was made based on availability of the yard at the time of planned decommissioning, capability of the yard, availability of an appropriate licenses and consents, distance from the Leman BH location, no trans-boundary waste movement, and familiarity with the waste contractor. A competent and licenced waste management contractor was selected to manage the appropriate disposal of the waste generated from dismantling the topside and jacket.

# 2 DESCRIPTION OF ITEMS TO BE DECOMMISSIONED

#### 2.1 Installation: Surface Facilities (Topsides/Jacket)

| Table 2.1 Surface Facilities Information |                          |                            |                              |                     |                   |                   |                   |                    |                              |
|--|--------------------------|----------------------------|------------------------------|---------------------|-------------------|-------------------|-------------------|--------------------|------------------------------|
|  |                          |                            |                              | Topsides/Facilities |                   | Jacket            |                   |                    |                              |
| Name                                     | Facility<br>Type         | L                          | ocation                      | Weight *<br>(Te)    | No. of<br>modules | Weight<br>** (Te) | No.<br>of<br>legs | No.<br>of<br>piles | Weight<br>of piles<br>(Te)   |
| Leman<br>BH                              | Fixed<br>steel<br>jacket | WGS84<br>Decimal           | 53.08027° N<br>2.17924° E    | 1039                | J                 | 566               | 4                 | 4                  | Incl. in<br>jacket<br>weight |
|  |                          | WGS84<br>Decimal<br>Minute | 53°04.817' N<br>2° 10.754' E |                     |                   |                   |                   |                    |                              |

\* The weight of the topsides includes the bridge between BH and BT and the transition pieces (legs between the topsides and jacket)

\*\* The weight of the jacket includes 70 tonnes of marine growth and the 4 pile sections, which will remain in the jacket legs and have been cut at 3 m below seabed level.

#### 2.2 Installation: Subsea including Stabilisation Features

n/a

#### 2.3 Pipelines Including Stabilisation Features

n/a

2.4 Wells

n/a

#### 2.5 Drill cuttings

n/a

#### 2.6 Inventory Estimates

Further details of the materials inventory are provided in the supporting Environmental Impact Assessment (Shell U.K. Limited, 2016).



Figure 2.1 Percentage of Estimated Inventories (Topsides, Jacket and Bridge)

# 3 REMOVAL AND DISPOSAL METHODS

This section describes the removal and disposal methods. In line with the waste hierarchy, the re-use of an installation (or parts thereof) has been assessed but not considered viable. Leman BH Living Quarter topsides and the Jacket have deteriorated, in over 30 years of operation, to such an extent that re-use is not an option. However it has been estimated as per Figure 2.1 that 97.5% of the Leman BH installation will be recycled.

The Leman BH installation (topsides, jacket and bridge) will be transported to shore for dismantling and recycling.

#### 3.1 Topsides

#### 3.1.1 Topsides Decommissioning Overview

The Leman BH Topsides Structure comprises five levels and weighs 1039 Te. The maximum dimensions of the topsides are  $28m \times 35.4m \times 23.5m$  (W x L x H).

The Leman BH platform was originally designed to accommodate up to 48 personnel working on Leman BT and Leman BK platforms. However, most of the accommodation quarters have already been decommissioned. The current Leman BH functionality is limited to providing power to Leman BT, helicopter access and an unplanned Overnight Shelter (UOS) for up to 12 persons for personnel visiting Leman BT/BH.

The BH topsides are made up of five levels (see Figure 3.1), of which Level 1 and 2 are connected to Leman BT via a two-tier bridge. Access between levels is by stairways. The levels include:

- Level O is a cellar deck.
- Level 1 houses a submersible service water pump and winch, the UOS with 12 beds, the equipment room, muster point and a life raft on the south side.
- Levels 2 and 3 house redundant living quarters and supports the helideck. Level 2 also houses the service water tank

• The helideck is placed above the Living Quarter module and is suited for the normally operated helicopters on the SNS. There are no refuelling and starting facilities available and no hose reels or fixed firefighting equipment.

Apart from the accommodation facilities, the module contains the generators, firewater pumps, air compression equipment, battery room, radio room and store rooms.







Figure 3.2 Diagram of Leman BH-BT Bridge

#### 3.1.2 Preparation and Cleaning

| Table 3.1 Cleaning of Topsides for Removal |  |  |  |  |  |
|--|--|--|--|--|--|
| Waste Type                                 | Composition of waste   | Disposal route   |  |  |  |
| Onboard hydrocarbon                        | Residual fuels and lubricants<br>from previously drained diesel<br>tank and generator                                  | Fluids drained and transported ashore for reuse/recycling.   |  |  |  |
| Other hazardous materials                  | Instruments containing<br>radioactive material and heavy<br>metals; fluorescent tubes<br>containing mercury; batteries | Transported ashore for recycling and/or disposal.  |  |  |  |
| Original paint coating                     | Lead-based paints  | May give off toxic fumes/dust if flame-<br>cutting or grinding blasting is used so<br>appropriate safety measures will be taken<br>during dismantling onshore. |  |  |  |
| Asbestos and ceramic fibre                 |  | Appropriate control and management will be enforced.   |  |  |  |

#### 3.1.3 Removal Methods

Topsides will be completely removed and returned to shore. Possible methods are outlined in Table 3.2.

Table 3.2 Topsides Removal Methods

| Table 3.2 Topsides Removal Methods                                      |  |  |  |  |
|---|--|--|--|--|
| Method  | Description  |  |  |  |
|   | Removal of topsides as a complete unit and transportation to shore dismantling, recycling and disposal.  |  |  |  |
| by HLV  | Several types of HLV have been considered for undertaking the lifting operations:<br>Sheerleg (a small HLV), a conventional moored HLV and a dynamically positioned<br>HLV. Sheerleg Tacklift 4 HLV has been selected.   |  |  |  |
| Offshore removal<br>'piece small' for<br>onshore recycling/<br>disposal | Removal of topsides by breaking up offshore and transporting to shore using work barge. Items will then be sorted for recycling or disposal  |  |  |  |
| Proposed removal<br>method,<br>dismantling and<br>disposal route        | The topsides will be removed in one piece. This is the so-called reversed installation methodology. The topsides and jacket will be transported to shore and dismantled and disposed by a selected dismantling yard to comply with relevant legislation and company policy. The BH/BT bridge has been removed as part of the Leman BT Refurbishment Project. |  |  |  |
|   | The Leman BH topside removal will be achieved by cutting the topsides free of the jacket using flame cutting, to allow the Sheerleg HLV to lift and transport the topsides on the HLV hook directly to the Great Yarmouth Outer Harbour dismantling yard.  |  |  |  |



Figure 3.3 Topsides Removal Method (Example only)

#### 3.2 Jacket

#### 3.2.1 Jacket Decommissioning Overview

Leman BH jacket is a piled four leg jacket 47 meters high. Upon the topsides removal and the four transition pieces between the topsides and the jacket, each of the four steel jacket legs/piles will be cut internally at a minimum 3 m below the mudline using an abrasive cutting tool. The legs of the jacket will contain uncontaminated natural seabed sediment which will be emptied using a dredge pump to allow access for the cutting tool. The piles, which have been welded to the jacket legs at the top elevation, will remain inside the jacket legs during the removal and transportation to shore for recycling.



Figure 3.4 Jacket Elevation

#### 3.2.2 Jacket Removal Methods

| Table 3.3 Jacket Decommissioning Methods   |   |  |  |  |
|--|---|--|--|--|
| 1) HLV (Monohull or semi-submersible crane vessel) 🗹 2) Piece small $\square$ 3) Other $\square$ |   |  |  |  |
| Method   | Description   |  |  |  |
| Removal and re-use   | The jacket, due to its age and integrity, is unsuitable for re-use offshore. The jacket and piles will be transported to the dismantling yard for recycling.  |  |  |  |
| Single lift removal<br>by HLV  | Removal of the jacket by the Sheerleg Taklift 4 HLV as complete unit and transport ashore for break up, recycling and/ or disposal.   |  |  |  |
| Onshore disposal<br>using 'piece small'  | Remove jacket in several pieces using attendant work barge and transport to shore yard.   |  |  |  |
| Proposed removal<br>method,<br>dismantling and<br>disposal route                                 | Similar to the topsides, the jacket will be removed as a single lift using a HLV and will be transported ashore in the hook of the Sheerleg HLV for recycling at the Great Yarmouth Outer Harbour dismantling yard. |  |  |  |

# 3.3 Subsea Installation and Stabilisation Feature

n/a

# 3.4 Pipelines

n/a

- 3.5 Pipeline Stabilisation Feature
- n/a
- 3.6 Wells

n/a

3.7 Drill cuttings

n/a

## 3.8 Waste Streams

| Table 3.4 Waste Stream Management Methods |   |  |
|---|---|--|
| Waste Stream                              | Removal and Disposal method   |  |
| Bulk liquids                              | Leman BH is an accommodation platform. Previous bulk liquid storage was<br>associated with a diesel storage tank for emergency power supply. The tank<br>and emergency generator have already been drained and the bulk volumes<br>returned to shore for treatment and/or disposal. Any residual hydrocarbons will<br>be drained prior to topsides removal and shipped in accordance with maritime<br>transportation guidelines. Further cleaning and decontamination will take place<br>onshore prior to recycling / re-use. |  |

|                        | Table 3.4 Waste Stream Management Methods  |
|------------------------|--|
| Marine growth          | Removed onshore. Disposed of according to guidelines.  |
| NORM/LSA Scale         | NORM/LSA is not expected. Any instrumentation containing radioactive materials will be transported ashore for appropriate handling and disposal.   |
| Asbestos               | Will be contained and taken onshore for disposal.  |
| Other hazardous wastes | E.g. batteries, fluorescent tubes. These will be recovered to shore within the topsides module and recycled or disposed of under appropriate permit.   |
| Onshore dismantling    | Appropriately licenced and permitted site has been selected for the dismantling activities. The waste management company has been selected based on previous experience and demonstration of their ability and understanding for appropriate disposal of such waste. |

| Table 3.5 Inventory Disposition                                       |      |      |   |  |
|---|------|------|---|--|
| Total Inventory Tonnage Planned Tonnage to Shore Planned left in situ |      |      |   |  |
| Installations   | 1605 | 1605 | 0 |  |

Leman BH decommissioning will follow the same dismantling and waste management methodology as was successfully used for decommissioning of the Indefatigable installations. The Leman BH platform is subject for complete removal with no wastes planned to be left in-situ. The estimates indicate that up to 97.5% of all the waste recovered to shore will be recycled or re-used (see Table 3.6). Refer to the Leman BH Decommission Project EIA (1) for further details.

| Table 3.6 Planned Waste Stream Management |                               |      |            |  |  |
|---|-------------------------------|------|------------|--|--|
| Type of Material                          | Disposal/fate Weight (tonnes) |      | % of total |  |  |
| Steel                                     | Recycled or re-used           | 1451 | 90.4       |  |  |
| Other Non-hazardous                       | Recycled                      | 114  | 7.0        |  |  |
| Other Non-hazardous                       | Landfill                      | 35   | 2.2        |  |  |
| Hazardous                                 | Recycled                      | 1    | 0.1        |  |  |
| Hazardous                                 | Landfill/Incineration         | 4    | 0.3        |  |  |

# 4 ENVIRONMENTAL IMPACT ASSESSMENT

# 4.1 Environmental Sensitivities

The environmental sensitivities in the area of the Leman field are summarized in Table 4.1.

| Table 4.1 Environmental Sensitivities |  |  |  |  |
|---------------------------------------|--|--|--|--|
| Environmental Receptors               | Main Features  |  |  |  |
| Conservation Interests                | The Leman BH platform is situated within the North Norfolk Sandbanks and Saturn Reef Site of Community Interest (SCI), designated for sandbanks and biogenic reef habitat, and the Southern North Sea proposed Special Area of Conservation (SNS pSAC) for harbour porpoises (Figure 1.1).<br>The Leman BH habitat assessment identified a total of 16 discrete areas of potential biogenic ( <i>Sabellaria</i> ) reef, ranging from 'low' to 'medium' quality in terms of their area coverage, elevation and patchiness. Additional isolated <i>Sabellaria</i> aggregations were observed on or adjacent to the pipelines from ROV pipeline inspection data within 500m of the platform. The Leman BH is situated approximately 2.5 km to the southeast of the Ower Sandbank. Potential 'Piddock bored chalk and clay' biotope, a UKBAP priority habitat, was occasionally observed in areas of mixed sediment. |  |  |  |
| Seabed                                | The most frequently encountered seabed type was fine sands. The seabed fauna present in the area is characteristic of these sediments. The fauna on the seabed surface (epifauna) was generally sparse. Higher abundance was associated with coarser mixed sediments and <i>Sabellaria</i> aggregations.   |  |  |  |
| Fish                                  | The Leman BH area is within the spawning and nursery grounds for plaice, cod, whiting, lemon sole, mackerel, sandeels and sprat. Of these, this area is a high intensity spawning area for plaice, cod and mackerel which are all UKBAP priority species. Period of proposed operations coincides with peak spawning of mackerel, sprat and Nephrops.  |  |  |  |
| Fisheries                             | The fishery in this region is dominated by the year round demersal fishery targeting plaice, dab and turbot and the shellfish fishery. The Shellfish Fishery is the most important in terms of commercial value in the southern North Sea, and is mainly focussed in more inshore waters to the west. Overall, the fishing intensity, quantity of landings and their economic value can be considered to be low in this region compared to other areas of the North Sea.   |  |  |  |
| Marine Mammals                        | Harbour porpoise and white-beaked dolphin are the only regularly occurring cetaceans in the area. Of these, harbour porpoise are the most frequently occurring species, with higher densities predicted during winter months. White-beaked dolphins were observed in the area in April and May. There are also harbour and grey seal colonies in the Wash and Norfolk coast respectively. At 50 km from the coast, it is likely that any presence of seals in the Leman BH area would be limited to a few individuals. Harbour porpoise, grey and harbour seals are listed as Annex II species.  |  |  |  |

| Table 4.1 Environmental Sensitivities |  |  |  |
|---------------------------------------|--|--|--|
| Environmental Receptors               | Main Features  |  |  |
| Birds                                 | The North Norfolk coast SPA, situated approximately 73 km to the west of the Leman BH platform, supports nationally important numbers of nesting terns between March and June. During this time they exhibit a more inshore distribution. Seabird vulnerability to oil spills generally range from low to moderate in the project location throughout the year, with the exception of December when vulnerability is high. |  |  |
| Onshore Communities                   | The Great Yarmouth Harbour dismantling yard is located in an industrial area of Great Yarmouth, with various recycling works, small power station, and various offshore supply companies. The nearest residential area to the dismantling area is approximately 0.5 km to the west of the yard. Between the dismantling yard and the residential buildings are various industrial buildings and the Yare River mouth.      |  |  |
| Other Users of the Sea                | The Leman BH/BT complex is situated in an area of extensive offshore oil and gas activity where there is the potential for interaction with other projects. In addition, shipping, wind farms development and aggregate extraction activities are all active in this area of the southern North Sea. Therefore interactions with these and combined cumulative impacts have been considered.                               |  |  |
| Atmosphere                            | There are no particular sensitivities identified for the atmospheric environment of the offshore SNS.  |  |  |

## 4.2 Potential Environmental Impacts and their Management

#### 4.2.1 Environmental Impact Assessment Summary

The EIA has been undertaken to assess the potential impacts of the Leman BH decommissioning activities, including the onshore dismantling (Shell U.K. Limited, 2016). Table 4.2 lists environmental impacts associated with decommissioning activities of the Leman BH platform, namely preparatory activities and topsides and jacket removal. There are no subsea installations, pipelines or drill cuttings associated with the Leman BH decommissioning; therefore these are excluded from the table 4.2 below.

The main potentially significant impacts of the proposed operations are associated with the physical disturbance to seabed organisms and habitats within North Norfolk Sandbanks and Saturn Reef SCI arising from positioning the Seafox 4 jack-up rig and Sheerleg HLV, platform removal, and placement of scour protection gravel bags during the preparatory works. The maximum extent of seabed impacted represents 0.002% of the total area of the SCI with no direct disturbance of the known biogenic reefs. Due to the small, localised and mainly temporary nature of the physical disturbance, the proposed activities are not expected to affect the natural shape and development of the sandbank systems within the SCI. The benthic organisms present in the area, including *Sabellaria* are known to have a degree of natural resistance to temporary physical disturbance such as those incurred by the proposed operations. Therefore, these species are expected to recover rapidly following the removal of the platform through recolonization from the undisturbed surrounding areas.

There will be no significant impact to the conservation features or conservation objectives of the North Norfolk Sandbank and Saturn Reef SCI. Furthermore, the jacket removal will have a longer term positive effect in relation to the conservation objectives as the physical obstruction caused by the platform infrastructure will be removed, thus allowing for the recolonization of the area.

The offshore decommissioning operations at Leman BH are unlikely to cause injury but may result in temporary behavioural disturbance of marine mammals, including harbour porpoise. However, due to the short term duration of the proposed operations, this potential impact is considered low with no impacts to the conservation objectives of the SNS pSAC.

In summary, all of the impacts resulting from the proposed operations will be temporary and localised and have been assessed to be low, and incremental cumulative impacts and trans-boundary effects associated with the planned decommissioning operations are expected to be negligible.

| Table 4.2 Management  | of Environmental Impacts  |
|---|---|
| Main Impacts  | Management  |
| • Seabed disturbance, including sediment discharge to water column:<br>Direct disturbance results from the deployment of the Seafox 4 and HLV, including<br>anchoring, removal of the platform and placement of scour protection during preparatory<br>works. Indirect disturbance results from sediment suspension and discharge and settlement<br>of uncontaminated sediment removed from inside the jacket legs prior to cutting. (EIA<br>Section 5.2) | <ul> <li>The location of the potential <i>Sabellaria</i> areas denoted from the survey data used to optimise the anchor configuration so as to minimise the impacts to biogenic reefs.</li> <li>The sheerleg HLV anchors to be deployed in the same location on both anchoring occurrences to minimise the disturbance.</li> <li>All anchor lines crossing live pipelines will have midline buoys, further reducing the anchor wire disturbance on the seabed.</li> <li>The removal of the Leman BH platform (and BT refurbishment) will reduce the overall infrastructure footprint in the SCI and pSAC and will also result in less maintenance work and associated anchoring operations</li> </ul> |
| • Energy consumption and atmospheric emissions:<br>Due to the short duration of the operations, the fuel consumed and the associated<br>atmospheric emissions generated during lifting and transportation of the platform will have<br>a very low impact. (EIA Section 5.3)   | <ul> <li>All engines, generators and other combustion plant on the vessels will be maintained and correctly operated to ensure that they were working as efficiently as possible to minimise emissions.</li> <li>To minimise the time required offshore, the topsides and jacket will each be removed with a single lift.</li> </ul>  |
| • Underwater Noise:<br>The noise generated from the various vessels (HLV, tugs, anchor handling vessels and<br>guard vessels) have the potential to impact marine mammals. Overall, given the temporary<br>nature of the operations, the potential impacts from noise are considered low (EIA Section<br>5.4)   | <ul> <li>The topsides and jacket will each be removed with a single lift and all vessel movements will be optimized to minimise the time required offshore.</li> <li>Use of an anchored HLV produces less underwater noise compared to a dynamic positioning class HLV.</li> </ul>  |
| • Impacts to other sea users:<br>The operations have the potential to interact with other oil and gas activities, fishing,<br>shipping, wind farms developments and aggregate extraction. Overall, none of the<br>potential interactions were considered significant. (EIA Section 5.7 and 5.5)   | <ul> <li>A Notice to Mariners will be made to notify sea users of the operations and a Consent to Locate (CtL) will be in place for the location of the HLV.</li> <li>A guard vessel will be on location during the lifting operations to ensure that vessels passing by stay at a safe distance.</li> <li>The project will take into consideration all other oil and gas activities when undertaking the detailed planning of the lifting and onshore dismantling phases of the project.</li> </ul>  |
| • Waste:<br>Vessel waste will include food waste, bilge water and grey water<br>Over 97.5% of the material returned to shore will be recycled which will potentially have a<br>very small positive impact. Only very small quantities of potentially hazardous waste are<br>expected. Therefore, any associated impacts are considered low. (EIA Section 5.6)   | <ul> <li>A Garbage Management Plan for the vessels</li> <li>A Waste Management Plan will be developed for the dismantling activities Waste Management Hierarchy to be followed</li> <li>Transfer notes will accompany all non- hazardous waste to shore and consignment notes will be in place for any hazardous waste.</li> </ul>  |

| Table 4.2 Management of Environmental Impacts   |  |  |  |  |
|---|--|--|--|--|
| Main Impacts  | Management   |  |  |  |
|   | <ul><li>Duty of care checks of the selected dismantling and waste yard</li><li>Shell will ensure that waste is only transferred by an appropriately licensed carrier.</li></ul>  |  |  |  |
| • Vessel Collision:<br>There is a risk of vessel collision both at the Leman BH area and along the transport route<br>to the dismantling facility. Given the short duration of the lifting operations and the<br>relatively low vessel traffic in the immediate Leman BH area, the risk of a vessel collision is<br>considered to be very low. An increase in construction and survey vessel traffic can be<br>expected closer to Great Yarmouth. (EIA Section 5.5) | <ul> <li>The vessels operating in the vicinity of the Leman BH platform will use appropriate lighting.</li> <li>The guard vessel will be equipped with radar and communication equipment so that any vessel in the area can be detected and contacted, if required. This will reduce the risk of any collision.</li> <li>Detailed assessment and planning of the transit route by the HLV contractor.</li> <li>A guard vessel will accompany the HLV during transit to shore.</li> <li>Notices to Mariners will be issued.</li> <li>Upon Leman BH platform removal, the refurbished Leman BT platform will comply with all navigational aids requirements</li> </ul> |  |  |  |
| • Hydrocarbon or chemical spill:<br>No offshore chemicals will be used during the decommissioning operations and there is no<br>hydrocarbon inventory on board the Leman BH platform. The most likely cause of an oil<br>spill would be from a vessel collision and a rupturing of fuel tanks. The overall risk of a<br>hydrocarbon spill during the proposed decommissioning operations is considered to be<br>low. (EIA Section 5.5)                              | <ul> <li>An approved OPEP for the Leman field system will cover all decommissioning activities where there is a risk of a hydrocarbon spill.</li> <li>All vessels will also have Shipboard Oil Pollution Emergency Plans (SOPEPS).</li> <li>If there is an unexpected spill or sheen observed during operations it will be reported immediately to the statutory authorities using the PON1 system.</li> </ul>   |  |  |  |
| • Dropped objects:<br>Overboard loss of large objects could occur, however, the likelihood of this considered<br>very low. (EIA Section 5.5)  | • Detailed engineering analysis and design will be undertaken and relevant safeguards will be in place to minimise the risk of a dropped object.   |  |  |  |
| • Onshore impacts:<br>Potential onshore impacts include atmospheric emissions, noise, odour from marine growth,<br>visual impact, and increase in road transport.<br>The various onshore decommissioning activities may result in a short term increase in<br>employment. (EIA Section 5.8)   | <ul> <li>Dismantling yard audits prior to and during execution</li> <li>Selection of Great Yarmouth dismantling yard facilitates local capacity building for decommissioning activities</li> </ul>   |  |  |  |

# 5 INTERESTED PARTY CONSULTATION

#### 5.1.1 Consultations Summary

Due to the small size of the project the consultations undertaken to-date have been limited to key statutory consultees. All comments received are summarised in Table 5.1 upon completion of the formal consultation phase. Further details are provided the Leman BH project EIA (Shell U.K. Limited, 2016). In addition to the statutory consultees, the Decommissioning Programme and the EIA have been made publicly available on Shell UK website and in the Shell UK offices from 06 August 2016.

|             | Table 5.1 Summary of Stakehol   | der Comments   |
|-------------|---|--|
| Stakeholder | Comment   | Response   |
| DECC        | DECC have been made aware of discussions<br>between Shell and JNCC in January 2015, as a<br>result, it has been requested that you share<br>survey data and reports regarding the presence<br>of <i>Sabellaria</i> reef in the Leman Field.   | Leman BH habitat assessment report was sent to<br>BEIS on 8 <sup>th</sup> March 2016.  |
|             | It is recommended that the applicant issues a<br>notice to mariners before works commence, to<br>keep the fishing industry and other users of the<br>sea informed throughout. Activities are located in<br>close proximity to busy shipping routes and<br>appropriate measures should be taken to ensure<br>safety of other sea users, while also limiting<br>disruption. | A Sea Transportation Plan has been prepared<br>by the HLV contractor in order to assess the<br>interactions that can be expected during the<br>transit to and from Leman BH. The plan outlines<br>the transport route, important crossings and<br>control measures to minimise disruption and risk<br>of collision. The HLV contractor will also submit<br>the required notifications to stakeholders prior to<br>start of work. |
|             | Please ensure that your Decom Team engage<br>with OGA - Consents Team early in this process<br>as any proposed changes to the pipelines will<br>need PWA consent before work can be carried<br>out.   | A requirement for the PWA variation for the<br>electrical cable has been reviewed and<br>concluded that a PWA variation will not be<br>required as the electrical cable is not associated<br>with any pipeline.  |

|             | Table 5.1 Summary of Stakehol  | der Comments   |
|-------------|--|--|
| Stakeholder | Comment  | Response   |
|             | United Kingdom Hydrographic Office (UKHO)<br>would like to remind Shell UK Limited that we<br>require FIVE WEEKS advance notice of offshore<br>activities to allow preparation of Admiralty<br>Notices to Mariners. We should also be notified<br>of any amendments to the existing installations as<br>offshore work progresses (i.e. structure removal,<br>structure height changes, new/altered aids to<br>navigation).<br>Following completion of offshore work we<br>require confirmation that the seabed is clear of<br>debris, or details of the remaining<br>debris/structures, before we can fully update our<br>charts. The company should also be advised to<br>contact our Radio Navigation Warnings section<br>24 hours before offshore work is due to<br>commence. Their contact details are:-<br>Duty Officer<br>Tel: 01823 353448 (direct) or 01823<br>337900 ext 3289.<br>Fax: 01823 322352<br>Email: navvarnings@btconnect.com | These recommendations have been included in<br>the projects' permits and consents plan.  |
|             | On removal of Leman BH, the Navigational Aids<br>on Leman BT must be in compliance with the<br>Consent to Locate i.e. if any of the fog horn,<br>lighting or signage requirements were fulfilled by<br>BH these must be accommodated on BT once<br>BH is removed. Please clarify that this will be<br>done.  | The refurbished BT platform will comply with all<br>navigational aids requirements. The DP (Table<br>4.2) has been amended to include this. The EIA<br>Section 2.3.3 also includes this in the<br>description of BT refurbishment scope. |
|             | The information has presented what is essentially<br>the worst case for the environment in use of<br>anchors for the proposed installation removal.<br>The DP refers to there being no post<br>decommissioning environmental survey. A repeat<br>survey around the platform can be deferred<br>(including debris recovery) until the Leman BT<br>installation will undergo decommissioning,<br>however the anchor points and anchor<br>chains/wire route may need to be revisited, as<br>the finer specific technical details are yet to be<br>determined. Therefore judgement on a targeted<br>repeat survey should remain a possibility to be<br>done at later date post platform removal.   | DP (Section 6.6) and EIA (Section 2.3) have<br>been updated accordingly.   |

| Table 5.1 Summary of Stakeholder Comments                          |   |  |  |  |  |
|--|---|--|--|--|--|
| Stakeholder  | Comment   | Response   |  |  |  |
|  | Please note that there are several inconsistencies<br>within the EIA report on timings, impacts,<br>references and due to the uncertainty of the<br>approach that will be used it is more productive<br>for these to be corrected within the Marine<br>Licence application as the technical aspects will<br>have been resolved at that time.  | The comment has been addressed in the AO2<br>Q4 2016 submission of the EIA and DP. |  |  |  |
|  | to an accommodation unit coming alongside<br>and that it is not really applicable to the EIA, but<br>this has been included for completeness. There is<br>very little that has been added in the EIA to<br>reflect this, in particular:<br>• what is being used?<br>• and how?<br>• along with the associated impacts?<br>It is very pertinent to the EIA assessment and must<br>be included when the Marine licence is<br>submitted. |  |  |  |  |
|  | Please note that once the scope of the operation<br>has been decided impact analysis information<br>should be updated for future applications   | The comment has been addressed in the AO2<br>Q4 2016 submission of the EIA.        |  |  |  |
| Global Marine<br>System Ltd.                                       | No comments received  |  |  |  |  |
| National<br>Fisherman's<br>Federation<br>(NFFO)                    | No comments received  |  |  |  |  |
| Northern Ireland<br>Fish Producers<br>Organisation Ltd.<br>(NIFPO) | No comments received  |  |  |  |  |
| Scottish<br>Fisherman's<br>Federation (SFF)                        | No comments received  |  |  |  |  |

# 6 PROGRAMME MANAGEMENT

#### 6.1 Project Management and Verification

A multi-discipline project team has been assembled within the operator's (Shell's) project execution organisation for the implementation of the Decommissioning Programme. The team's responsibility will be to execute the decommissioning of the Leman BH Living Quarter platform within Shell's "Project Engineering A12 Process Management System" guidelines.

Key decisions will be made and management control will be achieved by the "Gate" mechanism in Shell's "Opportunity Realisation Process" where full monetary authorisation will be granted.

The strategy for this project will be to maximise the Operator's (Shell's) in-house resources and existing contracts for the preparatory work and to award a lump sum contract to pre-qualified prime contractors for the main decommissioning activities such as platform removal and disposal. The preparatory work includes, topsides cleaning, lift preparation and making safe for handover to the removal and transportation contractor.

Where possible the decommissioning activities will be coordinated with other operators in the SNS. Shell will monitor and track the process of consents. Any changes in detail to the offshore removal programme will be discussed with DECC.

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

A post decommissioning survey will not be performed as part of the Leman BH decommissioning programme because the 500 m zones of Leman BH and Leman BT are overlap each other to a great extent (the distance between the centre points of the two platforms is 66 m (Figure 1.4).

A post decommissioning site survey will be carried out within the 500m radius of the Leman BH installation as part of Leman BT Decommissioning in the future. Seabed debris will be recovered for onshore disposal or recycling in line with existing disposal methods. Independent verification of seabed state will then be obtained by trawling the platform area. This will be followed by a statement of clearance to all relevant governmental departments and non-governmental organisations.

#### 6.3 Schedule

#### 6.3.1 Project Plan

| On our stion (mile stone   |    | 2015 |    |    | 2016 |    |    | 2017 |    |    |    | 2018 |    |
|--|----|------|----|----|------|----|----|------|----|----|----|------|----|
| Operation/initestone   | Q1 | Q2   | Q3 | Q4 | Ql   | Q2 | Q3 | Q4   | Q1 | Q2 | Q3 | Q4   | Q1 |
| Submit draft DP/EIA for formal consultation                                    |    |      |    |    |      |    |    |      |    |    |    |      |    |
| BT Refurbishment (Section 3.3.2)   |    | 1    |    |    |      |    |    |      |    |    | 1  | 1    |    |
| BH Pre-lifting activities combined<br>with BT Refurbishment (Section<br>2.3.3) |    | 1    | 1  |    |      |    |    |      |    |    | I  | I    |    |
| Submit revised DP/EIA  |    | 1    | 1  |    |      |    |    |      |    |    |    | 1    |    |
| Platform removal and transport to shore (Section 2.3.4)                        |    | 1    | 1  |    |      | 1  |    |      |    |    |    |      |    |
| Onshore dismantling and disposal (Section 2.3.5)                               |    | 1    | 1  |    |      | 1  |    |      |    |    |    |      |    |
| Project Close Out  |    |      |    |    |      |    |    |      |    |    |    |      |    |

| Figure  | 6.1 | Project | Schedule |
|---------|-----|---------|----------|
| i iguic | 0.1 | 1101001 | ochedule |

# 6.4 Costs

The provisional Decommissioning Programme costs are provided in Table 6.1.

| Table 6.1 Provisional Decommissioning Programme costs                        |                     |  |
|--|---------------------|--|
| ltem   | Estimated Cost (£m) |  |
| Platform /Jacket - Preparation / Removal and Disposal                        | 13.8                |  |
| Pipeline Decommissioning   | N/A                 |  |
| Subsea Installation and Stabilisation Feature                                | N/A                 |  |
| Well Abandonment   | N/A                 |  |
| Continuing Liability – Future Pipeline and Environmental Survey Requirements | N/A                 |  |
| TOTAL  | 13.8                |  |

#### 6.5 Close Out

In accordance with the DECC Guidelines, a close out report will be submitted to DECC explaining any variations from the Decommissioning Programme within four months of the completion of the offshore decommissioning scope.

#### 6.6 Post Decommissioning Monitoring and Evaluation

A full scale post decommissioning environmental seabed survey centred around the Leman BT installation, will be carried out as part of the future Leman BT decommissioning Programme. The survey will focus on chemical and physical disturbances of the decommissioning and will be compared with the pre-decommissioning survey. Results of this survey will be available once the work is complete, with a copy forwarded to DECC. The need for a targeted post removal environmental survey focusing on HLV anchoring impacts will be discussed and agreed with DECC after the removal of the BH platform. All pipeline routes and structure sites will be the subject of surveys when decommissioning activity has concluded. After the surveys have been sent to DECC and reviewed, a post monitoring survey regime will be agreed by both parties, typically one (or more) post decommissioning environmental surveys and structural pipeline surveys.

# 7 SUPPORTING DOCUMENTS

Table 7.1 lists the supporting documents referenced in this DP.

| Table 7.1 Supporting Documents |   |  |  |
|--------------------------------|---|--|--|
| Document<br>Number             | Title   |  |  |
| 1                              | Shell UK Limited 2016. Leman BH Decommissionning Project Environmental Impact<br>Assessment. Rev A02. LBT-SH-HX-0702-00003-001.                     |  |  |
| 2                              | DECC 2011. Guidance Notes: Decommissioning of offshore Oil And Gas Installations and Pipelines under the Petroleum Act 1998. Version 6. March 2011. |  |  |
| 3                              | OSPAR 1998. Decision 98/3 on the Disposal of Disused Offshore Installations   |  |  |

8 PARTNER LETTER OF SUPPORT

# PERENCO

Department for Business, Energy & Industrial Strategy 3rd Floor, Wing C AB1 Building Crimon Place Aberdeen AB10 1BJ

21<sup>st</sup> April 2017

Dear Sir or Madam

#### LEMAN BH DECOMMISSIONING PROGRAMMES PETROLEUM ACT 1998

We acknowledge receipt of your letter dated 4<sup>th</sup> April 2017.

We, Perenco UK Limited confirm that we authorise Shell U.K. Limited to submit on our behalf abandonment programmes relating to the Leman BH facilities as directed by the Secretary of State on 27<sup>th</sup> July 2011.

We confirm that we support the proposals detailed in the Shell U.K. Limited Decommissioning Programmes dated 5<sup>th</sup> April 2017, which is to be submitted by Shell U.K. Limited in so far as they relate to those facilities in respect of which we are required to submit an abandonment programme under section 29 of the Petroleum Act 1998.

Yours faithfully

Kim Kallmeyer Director Perenco UK Limited

ExonMobil

Karen D. Hagedorn Asset Manager, NL/UK Southern North Sea

Department for Business, Energy & Industrial Strategy 3rd Floor, Wing C AB1 Building Crimon Place Aberdeen AB10 1BJ

25<sup>th</sup> April 2017

Dear Sir or Madam

PETROLEUM ACT 1998 LEMAN BH DECOMMISSIONING PROGRAMME

We acknowledge receipt of your letter dated 4th April 2017 regarding the abandonment of the Leman BH Platform.

We, Esso Exploration and Production UK Limited confirm that we authorise Shell U.K. Limited, as the field operator, to submit on our behalf the abandonment programme relating to the Leman BH platform as directed by the Secretary of State on 27<sup>th</sup> July 2011.

We confirm that we support the proposals detailed in the Shell U.K. Limited Decommissioning Programme dated 5<sup>th</sup> April 2017, which is to be submitted by Shell U.K. Limited in so far as they relate to those facilities in respect of which we are required to submit an abandonment programme under section 29 of the Petroleum Act 1998.

Yours faithfully

Hagedorn

Karen Hagedorn SNS Asset Manager – NL/UK Joint Interest

For and on behalf of Esso Exploration and Production UK Limited

Registered in England Number 00207426 Registered Office: Ermyn House, Ermyn Way Leatherhead Surrey KT22 8UX Department for Business, Energy & Industrial Strategy 3rd Floor, Wing C AB1 Building Crimon Place Aberdeen AB10 1BJ

Date: 18<sup>th</sup> April 2017

Dear Sir or Madam

LEMAN BH DECOMMISSIONING PROGRAMMES PETROLEUM ACT 1998

We acknowledge receipt of your letter dated 4<sup>th</sup> April 2017.

We, SSE E&P UK Limited confirm that we authorise Shell UK Limited to submit on our behalf abandonment programmes relating to the Leman BH facilities as directed by the Secretary of State on 27<sup>th</sup> July 2011.

We confirm that we support the proposals detailed in the Shell UK Limited Decommissioning Programmes dated 5<sup>th</sup> April 2017, which is to be submitted by Shell UK Limited in so far as they relate to those facilities in respect of which we are required to submit an abandonment programme under section 29 of the Petroleum Act 1998.

Yours faithfully

E. D. hanny

EDWARD LAWNS DIRECTOR OF EXPLORATION & PRODUCTION For and on behalf of SSE E&P UK Limited

APPENDIX 1. COPIES OF PUBLIC NOTICES



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## THE TIMES | Thursday August 6 2015

Night sky August

The night of August 12 is one of

my favourite in the astronomi-

cal year as it marks the peak of

summer's most reliable meteor shower. The Perseid shower,

named for the constellation of

Perseus from which meteors

appear to derive, is active throughout August but has a

sharp peak which this year is ex-

pected to arrive just after dawn

Stay up late, therefore, and there is the chance to watch the number of shooting stars climb to more than one a minute. Each

one is the fiery death of a tiny particle, likely no bigger than a sand grain, deposited in space by

Comet Swift-Tuttle, a comet

which visits the inner solar system once every 133 years. It

was last here in 1992, but comet

particles have spread around its

orbit and we are treated to an annual shower when we pass through this region of space re-

gardless of the position of the shower's parent. (Mark your cards for Swift-Tuttle's next return in 2126, when it will be a bright naked-eye object). Predicting the shower's peak therefore involves mapping the orbits of countless tiny particles,

and so it is usually best to take

specific predictions with a

degree of scepticism. This year,

as well as the main peak, there

are papers from prognosticators

with a good track record suggesting that the early evening of

the 12th will also be busy. Given

the vagaries of the British sum-

mer, and the attraction of a

warm late summer evening under the stars, I would re-

commend observing on any

clear night either side of these

Meteor monitoring is the

most relaxed form of observa-

tion. All that is needed is a deck

chair and an unobscured view of

the sky. The radiant, from where

Perseids will emanate, is marked

on our chart this month, but do

not look directly towards it. The

best meteors with the longest

streaks will be seen away from

the radiant, so look 90 degrees

away toward the northwest or

southeast. Remember to let

one's eyes adjust to the dark;

while the Perseids produce their

fair share of bright meteors,

many of the shower's members

will be faint. The absence of the

Moon — just past new at the

peak of this year's shower — is a

boon, and will also help to pick

up the mostly faint "sporadic"

meteors, which belong to no

shower but which will be visible

projected peaks.

Chris Lintott

on August 13.

# Register

51

# Births, Marriages and Deaths

AND the heavens shall praise thy wonders, O LORD: thy faithfulness also in the congregation of the saints. For who in the heaven can be compared unto the LORD? who among the sons of the mighty can be likened unto the LORD? Psalm 89.5-6. Forthcoming Marriages

MR N.E.G. LESLIE AND MISS-L. STOJCEVIC The engagement is announced between Nicholas, son of Professor between Nicholas, son of Professor and Mrs R.D.G. Leslie of London, and Laura, daughter of Mr and Mrs P. Stojcevic of London.

#### Anniversaries

CARSTAIRS : MOHR Bob and Inge. Congratulations on fifty fantastic years of marriage. All our love Nicky, Gilla and families xx

#### Deaths

ANDERSON CBE Derek died on 1st August 2015, aged 90. Much loved by Joan for 61 years, by friends, family, children, grandchildren and great-grandchildren. Private family funeral. No flowers. Donations to National Star, Ullenwood, Cheltenham.

Ullenwood, Cheitenham. BROADBENT Daphne died peacefully on 2nd August 2015, aged 84. A much loved wife of Michael, mother of Emma and Bartholomew, grandmother of Alexander, Katherine, Leaf and Alice Arbuthnot and of Charlotte and Henry Broadbent. Private cremation. Daphne's life to be remembered in the Autumn of 2015.

Autumn of 2015. CARSTENSEN Hazel Margaret (née Price) passed away peacefully on 1st August 2015, aged 81. After a long illness borne with her usual courage and humour. Only daughter of the late David and Mary Price of Rhos-On-Sea. Beloved wife of Kaj, Loving mother of Lars and Sian and darling granny to Jens. Her bright spirit will be missed by all who knew her. Gorffwys Mewn Hedd. Rest in peace. Funeral service at St. Mary's Church, Nantwich, Cheshire on Wednesday 12th August 2015, at 1.30pm. Flowers by choice or contact Graham Tresidder of Nantwich Funeral Services on 01270 812512.

#### DRAPER

John Christopher died peacefully on 27th July 2015 aged 77. He will be greatly missed by wife Linda, children Christina and James and their partners John and Anna, and grandchildren Emma and Jack.

EVANS Valerie Jean C.B.E passed away peacefully on 26th July 2015. Formerly of Moseley Birmingham. Sadly missed by her family and friends. Funeral service to take place at Robin Hood Crematorium, Streetsbrook Road, Solihuli on Monday 10th August 2015 at 1pm. Family flowers only please. Donations if wished to Soroptimist charities C/O Sandra Squires 18 Augustus Road, Edgbaston, Birmingham, B15 3NJ. Payable to S.I.Central Birmingham. GISSANE William James Mason died

GISSANE William James Mason died peacefully at home on 31st July 2015 aged 74, surrounded by his family. Beloved of wife Virgina, daughter Elizabeth and son Thomas. Adored and sadly missed. Funeral service at St Michael and All Angels Church, Ledbury on Monday 10th August at 2pm followed by a private burial. Family flowers only. Donations, if desired, for MacMillan Cancer Support and Marie Curie can be sent to Abbotsfield Funeral Directors, Bye Street, Ledbury, HR8 2AA. Tel: 01531 636666. IACKON Professor Dudlev A. S. died

HR8 2AA. Tel: 01531 636666. JACKSON Professor Dudley A. S. died in Queensland, Australia on 26th July 2015, aged 72 years. Emeritus Professor of Economics, University of Wollongong, New South Wales, former Professor of Business Economics, Aston University, Birmingham, Fellow of St. Catherine's College, Cambridge and member of the Department of Applied Economics, Cambridge University. University.

University. LUARD The Hon. Philippa Mary Agnes Joan (née Chetwynd) died peacefully on 23rd July 2015, aged 84, at home. Much loved wife, mother, grandmother and friend. Eldest child of Adam 9th Viscount Chetwynd and his first wife Joan. Memorial service to be held at St Jarnes' Church, Swimbridge, North Jarnes' Church, Swimbridge, North Devon, EX32 0PH on Saturday 12th September at 2.30 pm. No flowers please, donations in her memory to North Devon Hospice c/o A D Williams, 31 Portland Street, Ilfracombe, Devon, EX34 9NL, 01271 866 332. NUMAN Manus died on 4th August

NUNAN Manus died on 4th August 2015, aged 89, QC formally of the Legal Colonial Service Nigeria. Much loved husband of Val, father to Nathalie and Manus William, stepfather to Ciel (deceased) and Kate, and grandfather (deceased) and Kate, and grandfather to Lucie, Alexandra and Finlay. Private cremation with memorial at a later date. Enquiries: 07889382888. date. Enquiries: 07889382888. **MUNRO** Helen Mary Stansfeld Munro (née Squire) passed away peacefully o 29th July 2015, aged 89. Much loved wife to lan for almost 60 years, mother to Fiona and grandmother to Max and Emma. Private cremation on Thursday 13th August with memorial service to follow in the autumn. Flowers welcome or donations to Women's Royal Naval Service Benevolent Trust c/o A&C Tadman Ltd, 39A High Street, Kings Langley, WD4 & B. Tel: 01923 264296.

SEDDON Christopher John MBE died peacefully on 1st August 2015, aged 73. Much loved by his family and fantastic friends who supported him and each other through his many illnesses which he bore so bravely. A private service of committal will take place on Monday 10th August followed by a service to celebrate his life at St Mark's Church, Worsley Brow, Worsley, Manchester, M28 2WH, at 2pm, to which all are welcome to attend. Following the service an open invitation is extended by the family to join them at the Worsley Park Marriott Hotel for light refreshment. Family flowers only please. Donations via Broadoak Funeral Service 0161 794 7499. Dress -please wear colour.

SHIPSEY Georgina Ann died peacefully on 3rd August 2015, aged 43. Fortified by the rites of Holy Mother Church. Beloved daughter of the late David and Judy, most dearly loved sister of Helen and Nicola, adored aunt of Bertie, Clementine, Amelia and Teddy. Sam, Freddie, Charlie and Monty and cherished goddaughter of Dorothy. Funeral Service at The Oratory, Brompton Road, London SW7 on Wednesday 19th August 2015 at 11am. Family flowers only, donations if desired in memory of Georgina to Trinity Hospice, Clapham, SW4, or to The Friends of The Royal Marsden Hospital, Fulham Road, SW3, c/o Leverton & Sons 200 7387 6075. STEELE-PERKINS Dr Peter Edward died peacefully on 27th July 2015, aged 98. Beloved husband to Joan, father, grandfather and great-grandfather. The cremation service will be held at Taunton Crematorium on 21 August at 10.20cm 12.30pm.

 YATES Ivan Ray aged 86, died peacefully at his beloved Juggs Corner, Kingston, on Sunday 2nd August 2015 with Jennie, Mark and Jane at his side. Father-in-law of Kerry and James. Grandfather of Ben, Lara, Amber and Harry. He was much loved and respected by his family and friends. Service of thanksgiving at Kingston Parish Church, on Friday 21st August at 2.30pm. No flowers please. Donations if desired in aid of Kingston Parish Church and The Stroke Association to Cooper & Son Funeral Service, 42 High Street, Lewes, East Sussex, BN7 2DD. Tel: 01273 475557.
 Public Notices **Public Notices** 

DJI HOLDINGS DJI Holdings Pic announces that its Annual General Meeting scheduled for 24 July 2015 was adjourned with the approval of shareholders present on the day. The meeting has been rescheduled for 11am on Thursday 13 August 2015 at the same venue (First August 2015 at the same venue (First Floor, Mallory House, Goostrey Way,

# THE PETROLEUM ACT 1998 LEMAN BH DECOMISSIONING PROGRAMME

LEMAN BH DECOMISSIONING PROGRAMME Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals. The items/facilities covered by the Decommissioning Programme are restricted to: The Leman BH Platform located 50 km from the nearest UK coastline in UK Block 49/26 of the United Kingdom Continental Shelf. The approximate weight of the platform including topsides and jacket is 1605 tonnes. Shell U.K. Limited hereby gives notice th a t the Le m an B H Decommissioning Programme and the supporting Environmental Impact

supporting Environmental Impact Assessment can be viewed online at www.shell.co.uk/sustainability/decom

www.hatmeneyer missioning. Alternatively a CD copy of the programme can be requested at NAM-Leman-BH-DP@shell.com or a hard copy inspected at the following locations during office hours: Shell U.K. Limited 1 Alteos Farm Road

1 Altens Farm Road Aberdeen AB12 3FY Contact: Larissa Leitch

Amec Office, Phase 1

Edison Way Gapton Hall Industrial Estate,

Gt Yarmouth NR31 0NG Contact: Claire Fowler

Contact: Claire Fowler Representations regarding the Leman BH Decommissioning Programme should be submitted in writing either to NAM-Leman-BH-DP@shell.com or to Larissa Leitch at the above address where they should be received by the consultation closing date, 04 September 2015, and should state the consultation closing date, 04 September 2015, and should state the grounds upon which any representations are being made. Date: 06 August 2015 +

EQUULEUS SOUTH New Moon 14th 💦 First Quarter Moon 22nd 🔵 Full Moon 29th Last Quarter Moon 7th To use this chart hold it up so that the direction in which you're actually looking is at the bottom of

the chart. The bottom edge of the chart will then represent your real horizon and the centre represents the point directly overhead. The view is correct for the UK at midnight on the 1st August, 11pm on the 15th and 10pm on the 31st. All times are given as GMT.

alongside the main event.

Finding the radiant will help distinguish true Perseids from these interlopers, but the region of the sky that hosts it is worth finding for its own sake. Perseus, which lies beneath the easily recognised "W" of Cassiopeia, is

# Swift-Tuttle's next return in 2126

Way. Right next to the radiant is the glorious double cluster, easily found by following the line made by the second and third stars in Cassiopeia, reading left to right down to-Bright the horizon. ward enough to be seen with the naked-eye, the clusters were known to Ancient Greek astro-

nomers, but it is in binoculars that they are truly spectacular.

If you do have binoculars to hand, do wander the region

around the double cluster itself. This part of the Milky Way, where we are looking through the spiral arm that hosts our own Sun and across to the neighbouring, Perseus arm, is especially rich in clusters. Each has its own character. Take, for example, Stock 2, which has gained fame recently as the Muscleman cluster", due to a supposed resemblance to a stick figure pulling a chain of stars from the double cluster itself; find it by following a chain of stars back up toward Cassiopeia and judge for yourself.

It is fortunate August is a good time for the stellar sky, because there is little of planetary worth to recommend this month. The main attraction is Saturn, now

more than a month past opposition and thus a bright evening object setting just before midnight. The ringed planet is in Libra and never rises far from the horizon, but with the rings well placed for observation will no doubt please telescopic observers. Jupiter and Venus, the highlight of many observers' years with their evening display over the past few months, both cross into the morning sky. Jupiter is at conjunction in late August, on the opposite side of the Sun to the Earth. A week or so earlier, Venus passes through inferior conjunction, between the Sun and the Earth. Mercury is lost in the evening haze, and Mars in the pre-dawn twilight until at least the end of August. Yet with the glorious summer Milky Way stretching across the sky, why be parochial? Time to look beyond

the solar system.



HTROV

SUMBADAGAMAD

Law Report

Shooting stars highlight the heavens

# Mark your cards for

firmly in the summer Milky

# When it comes to crime 'date' means 'time'

#### Court of Appeal, Criminal Division Published: August 5, 2015 Regina v Lehair

A gift consisting of the proceeds of crime could be a tainted gift within the mean-ing of section 77(5) of the Proceeds of Crime Act 2002 even when made on the crime Act 2002 even when made on the same day as the offence was committed. The Court of Appeal, Criminal Divi-sion (Lady Justice Macur, Mr Justice Walker and Judge Zeidman, QC) so held

on July I, 2015, when dismissing an ap-peal by Nicola Lehair against a confisca-tion order in the sum of £1,140 made on January 28, 2015, at Ipswich Crown Court by Judge Goodin. LADY JUSTICE MACUR, giving the indoment of the court said that the de-

LADY JUSTICE MACUR, giving the judgment of the court, said that the de-fendant robbed a bank of £2,175 and later on the same day lodged the cash at her bank, arranging that £1,100 of it should be credited to her husband's bank ac-count. The defendant argued that sec-tion 77(5) of the Proceeds of Crime Act tion 77(5) of the Proceeds of Crime Act

2002 did not apply to the gift to the hus-band because it had not been made "after ... the date on which the offence concerned was committed".

cerned was committed". A literal interpretation of section 77(5) would defeat the explicit purpose of the act. A day's grace could not be sup-posed. An offence might take place at any time in a day, including shortly before midnight. It could not be right that the draftsman had been influenced by the time of day at which an offence oc-mend A purposive construction was to curred. A purposive construction was to be given to section 77(5) so that "date" referred to the time of commission of the offence

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# **ENVIRONMENT & INFRASTRUCTURE**

#### ENERGY

#### THE PETROLEUM ACT 1998

#### LEMAN BH DECOMMISSIONING PROGRAMME

Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals.

The items/facilities covered by the Decommissioning Programme are restricted to: The Leman BH Platform located 50 km from the nearest UK coastline in UK Block 49/26 of the United Kingdom Continental Shelf. The approximate weight of the platform including topsides and jacket is 1605 tonnes.

Shell U.K. Limited hereby gives notice that the Leman BH Decommissioning Programme and the supporting Environmental Impact Assessment can be viewed online at www.shell.co.uk/ sustainability/decommissioning.

Alternatively a CD copy of the programme can be requested at NAM-Leman-BH-DP@shell.com or a hard copy inspected at the following locations during office hours:

Shell U.K. Limited 1 Altens Farm Road Nigg Aberdeen AB12 3FY Contact: Larissa Leitch Amec Office, Phase 1 Edison Way Gapton Hall Industrial Estate, Gt Yarmouth **NR31 0NG** Contact: Claire Fowler

Representations regarding the Leman BH Decommissioning Programme should be submitted in writing either to NAM-Leman-BH-DP@shell.com or to Larissa Leitch at the above address where they should be received by the consultation closing date, 04 September 2015, and should state the grounds upon which any representations are being made. 6 August 2015

(2380868)

#### Planning

**TOWN PLANNING** 

#### **DEPARTMENT FOR TRANSPORT TOWN AND COUNTRY PLANNING ACT 1990**

THE SECRETARY OF STATE hereby gives notice of an Order made under Section 247 of the above Act entitled "The Stopping up of Highway (South East) (No.25) Order 2015" authorising the stopping up of a northern part-width of Parsonage Road, adjoining the western boundary of number 60 Parsonage Road, at Horsham in the District of Horsham. This is to enable development as permitted by Horsham District Council under reference DC/14/1624.

COPIES OF THE ORDER MAY BE OBTAINED, free of charge, from the Secretary of State, National Transport Casework Team, Tyneside House, Skinnerburn Road, Newcastle Business Park, Newcastle upon Tyne, NE4 7AR or nationalcasework@dft.gsi.gov.uk (quoting NATTRAN/SE/S247/1822) and may be inspected during normal opening hours at The Post Office, 1 Coltsfoot Drive, Horsham RH12 5FN.

ANY PERSON aggrieved by or desiring to question the validity of or any provision within the Order, on the grounds that it is not within the powers of the above Act or that any requirement or regulation made has not been complied with, may, within 6 weeks of 06 August 2015 apply to the High Court for the suspension or quashing of the Order or of any provision included.

S Zamenzadeh, Department for Transport

(2380841)

#### DEPARTMENT FOR TRANSPORT **TOWN AND COUNTRY PLANNING ACT 1990**

THE SECRETARY OF STATE hereby gives notice of an Order made under Section 247 of the above Act entitled "The Stopping up of Highway (South East) (No.26) Order 2015" authorising the stopping up of a length of Western Esplanade in the City of Southampton to enable development as permitted by Southampton City Council under reference 13/00464/OUT and reserved matters reference 14/00668/ REM.

COPIES OF THE ORDER MAY BE OBTAINED, free of charge, from the Secretary of State, National Transport Casework Team, Tyneside House, Skinnerburn Road, Newcastle Business Park, Newcastle upon Tyne, NE4 7AR or nationalcasework@dft.gsi.gov.uk (quoting NATTRAN/SE/S247/1827) and may be inspected during normal opening hours at Southampton City Council, Civic Centre, Southampton, SO14 7LY.

ANY PERSON aggrieved by or desiring to question the validity of or any provision within the Order, on the grounds that it is not within the powers of the above Act or that any requirement or regulation made has not been complied with, may, within 6 weeks of 06 August 2015 apply to the High Court for the suspension or quashing of the Order or of any provision included.

S Zamenzadeh, Department for Transport

(2380843)

#### DEPARTMENT FOR TRANSPORT TOWN AND COUNTRY PLANNING ACT 1990

THE SECRETARY OF STATE hereby gives notice of an Order made under Section 247 of the above Act entitled "The Stopping up of Highways (South East) (No.24) Order 2015" authorising the stopping up of a southern part-width and a length of the B4000 Station Road, comprising the railway overbridge, at Shrivenham in the District of Vale of White Horse. This is to enable development as permitted by Vale of White Horse District Council under reference P14/V2196/P11.

COPIES OF THE ORDER MAY BE OBTAINED, free of charge, from the Secretary of State, National Transport Casework Team, Tyneside House, Skinnerburn Road, Newcastle Business Park, Newcastle upon Tyne, NE4 7AR or nationalcasework@dft.gsi.gov.uk (quoting NATTRAN/SE/S247/1885) and may be inspected during normal opening hours at Shrivenham Parish Council, Memorial Hall, Highworth Road, Shrivenham SN6 8BL.

ANY PERSON aggrieved by or desiring to question the validity of or any provision within the Order, on the grounds that it is not within the powers of the above Act or that any requirement or regulation made has not been complied with, may, within 6 weeks of 06 August 2015 apply to the High Court for the suspension or quashing of the Order or of any provision included. (2380847)

S Zamenzadeh, Department for Transport

DEPARTMENT FOR TRANSPORT

#### **TOWN AND COUNTRY PLANNING ACT 1990**

THE SECRETARY OF STATE hereby gives notice of an Order made under Section 247 of the above Act entitled "The Stopping up of Highway (East) (No.27) Order 2015" authorising the stopping up of an area of highway verge adjoining the eastern boundary of number 486 Grace Way, in the Borough of Stevenage. This is to enable development as permitted by Stevenage Borough Council, reference 15/00142/FP.

COPIES OF THE ORDER MAY BE OBTAINED, free of charge, from the Secretary of State, National Transport Casework Team, Tyneside House, Skinnerburn Road, Newcastle Business Park, Newcastle upon Tyne, NE4 7AR or nationalcasework@dft.gsi.gov.uk (quoting NATTRAN/E/S247/1887) and may be inspected during normal opening hours at Stevenage Borough Council, Daneshill House, Danestrete, Stevenage SG1 1HN.

ANY PERSON aggrieved by or desiring to question the validity of or any provision within the Order, on the grounds that it is not within the powers of the above Act or that any requirement or regulation made has not been complied with, may, within 6 weeks of 06 August 2015 apply to the High Court for the suspension or quashing of the Order or of any provision included.

S Zamenzadeh, Department for Transport

(2380851)

APPENDIX 2. CORRESPONDENCE FROM STATUTORY CONSULTEES

1 Altens Farm Road, Nigg, Aberdeen, AB12 3FY, United Kingdom Tel +44 **(0)1224 883 255** 

Email <u>r.sparreboom@shell.com</u> Internet http://www.shell.com/

5<sup>th</sup> August 2015

FAO: Mr John Wrottesley Global Marine Systems New Saxon House 1 Winsford Way Boreham Interchange Chelmsford Essex CM2 5PD

Dear John,

#### Leman BH Decommissioning Programme – Southern North Sea

Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals.

I hereby enclose a CD with electronic PDF copies of the Decommissioning Programme and supporting Environmental Impact Assessment for your consideration.

Representations regarding the Leman BH Decommissioning Programme should be submitted in writing either to NAM-Leman-BH-DP@shell.com or to Larissa Leitch at the above address where they should be received by the consultation closing date, 04 September 2015, and should state the grounds upon which any representations are being made.

Please do not hesitate to contact me should you require any further information.

Yours sincerely

Rob Sparreboom Project Manager, Leman BH Decommissioning Project.

Encl. 1 x CD with PDF copies of the Leman BH Decommissioning Programme and supporting EIA.

1 Altens Farm Road, Nigg, Aberdeen, AB12 3FY, United Kingdom Tel +44 **(0)1224 883 255** 

Email <u>r.sparreboom@shell.com</u> Internet http://www.shell.com/

5<sup>th</sup> August 2015

FAO: Mr Alan Piggott National Federation of Fishermen's Organisations 30 Monkgate York YO31 7PF

Dear Alan,

#### Leman BH Decommissioning Programme – Southern North Sea

Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals.

I hereby enclose one hard copy of the Decommissioning Programme, one hard copy of the supporting Environmental Impact Assessment and electronic PDF copies of each on CD of each for your consideration.

Representations regarding the Leman BH Decommissioning Programme should be submitted in writing either to NAM-Leman-BH-DP@shell.com or to Larissa Leitch at the above address where they should be received by the consultation closing date, 04 September 2015, and should state the grounds upon which any representations are being made.

Please do not hesitate to contact me should you require any further information.

Yours sincerely

Rob Sparreboom Project Manager, Leman BH Decommissioning Project.

Encl. 1 x hard copy of the Leman BH Decommissioning Programme
1 x hard copy of the Leman BH Decommissioning Environmental Impact Assessment.
1 x CD with PDF copies of the Leman BH Decommissioning Programme and supporting EIA.

1 Altens Farm Road, Nigg, Aberdeen, AB12 3FY, United Kingdom Tel +44 **(0)1224 883 255** 

Email <u>r.sparreboom@shell.com</u> Internet http://www.shell.com/

5<sup>th</sup> August 2015

FAO: R J James Northern Ireland Fish Producers' Organisation Ltd. 1 Coastguard Cottages Portavogie County Down BT22 1EA

Dear Mr James,

#### Leman BH Decommissioning Programme – Southern North Sea

Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals.

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Yours sincerely

Rob Sparreboom Project Manager, Leman BH Decommissioning Project.

Encl. 1 x CD with electronic copies of the Leman BH Decommissioning Programme and supporting EIA.

1 Altens Farm Road, Nigg, Aberdeen, AB12 3FY, United Kingdom Tel +44 **(0)1224 883 255** 

Email <u>r.sparreboom@shell.com</u> Internet http://www.shell.com/

5<sup>th</sup> August 2015

FAO: John Watt Scottish Fisherman's Federation 24 Rubislaw Terrace Aberdeen AB10 1XE

Dear John,

#### Leman BH Decommissioning Programme – Southern North Sea

Shell U.K. Limited has submitted, for the consideration of the Secretary of State for Energy and Climate Change, a draft Decommissioning Programme for the Leman BH Platform in accordance with the provisions of the Petroleum Act 1998. It is a requirement of the Act that interested parties be consulted on such decommissioning proposals.

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Yours sincerely

Rob Sparreboom Project Manager, Leman BH Decommissioning Project.

Encl. 1 x CD with electronic copies of the Leman BH Decommissioning Programme and supporting EIA.