

Our Ref: 01.08.06.15/508C  
UKOP Doc Ref:1162890



Offshore Petroleum Regulator  
for Environment & Decommissioning

DANA PETROLEUM (E&P) LIMITED  
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LONDON  
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Registered No.: 02294746

Date: 30th September 2021

Department for Business, Energy  
& Industrial Strategy

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[www.gov.uk/beis](http://www.gov.uk/beis)  
[bst@beis.gov.uk](mailto:bst@beis.gov.uk)

Dear Sir / Madam

**THE OFFSHORE OIL AND GAS EXPLORATION, PRODUCTION, UNLOADING  
AND STORAGE (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS  
2020  
BITTERN FIELD**

A screening direction for the project detailed in your application, reference PR/2174/0 (Version 3), dated 29th September 2021 has been issued under regulation 6 of the above Regulations. The screening direction notice, and any relevant conditions and comments are attached. A copy of this screening direction will be forwarded to the application consultees, the Oil and Gas Authority and published on the gov.uk website.

If you have any queries in relation to this screening direction or the attachments, please do not hesitate to contact [REDACTED] on [REDACTED] or email the Environmental Management Team at [bst@beis.gov.uk](mailto:bst@beis.gov.uk).

Yours faithfully



**THE OFFSHORE OIL AND GAS EXPLORATION, PRODUCTION, UNLOADING  
AND STORAGE (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS  
2020**

**SCREENING DIRECTION CONFIRMING THAT AN ENVIRONMENTAL IMPACT  
ASSESSMENT IS NOT REQUIRED**

**BITTERN FIELD**

**PR/2174/0 (Version 3)**

Whereas DANA PETROLEUM (E&P) LIMITED has made an application dated 29th September 2021, under The Offshore Oil and Gas Exploration, Production, Unloading and Storage (Environmental Impact Assessment) Regulations 2020, and whereas the Secretary of State has considered the application and is satisfied that the project is not likely to have a significant effect on the environment; in exercise of the powers available under regulation 6, the Secretary of State hereby directs that the application for consent in respect of the project need not be accompanied by an Environmental Impact Assessment, provided that the project is carried out as described in the application for the screening direction and in accordance with the conditions specified in the attached schedule.

In giving a screening direction under regulation 6 of the above Regulations, the Secretary of State accordingly gives his agreement to the Oil and Gas Authority to the grant of consent for the project as detailed in the application.

Effective Date: 30th September 2021



## **THE OFFSHORE OIL AND GAS EXPLORATION, PRODUCTION, UNLOADING AND STORAGE (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS 2020**

### **SCHEDULE OF SCREENING DIRECTION CONDITIONS**

The grant of this screening direction is conditional upon the screening direction holder complying with the following conditions.

#### **1 Screening direction validity**

This screening direction shall be valid from 30 September 2021.

#### **2 Change to production level(s)**

The holder of the screening direction shall ensure that the change in the level(s) of production do not exceed the amended level(s) detailed in the application for the screening direction, and in the application for consent relating to the approval for the getting of petroleum issued under the relevant production licence Model Clause.

#### **3 Prevention of pollution**

The holder of the screening direction must ensure that appropriate measures are taken to minimise discharges, emissions and waste, in particular through the appropriate use of technology; and to ensure that necessary measures are taken to prevent incidents affecting the environment or, where they occur, to limit their consequences in relation to the environment.

#### **4 Inspections**

Should the Department consider it necessary or expedient for an inspector appointed by the Secretary of State to investigate whether the conditions of the screening direction are being complied with, the holder of the screening direction shall afford the inspector with such facilities and assistance as the inspector considers necessary to exercise the powers conferred by the regulations. The holder of the screening direction shall additionally ensure that copies (electronic or paper) of the screening direction and any other relevant documents are available for inspection by the inspector at:

- a) the premises of the holder of the screening direction; and
- b) the facilities undertaking the project covered by the screening direction.

#### **5 Check monitoring**

Should the Department consider it necessary or expedient to undertake an independent monitoring programme to assess the impact of the project covered by the screening direction, the screening direction holder shall afford the Department



with such facilities and assistance as the Department considers necessary to undertake the work.

## **6 Atmospheric emissions returns**

Following completion of the project covered by the screening direction, the holder of the screening direction shall report all relevant atmospheric emissions, such as combustion emissions, using the appropriate Environmental Emissions Monitoring System (EEMS) reporting forms.

## **7 Unauthorised deposits**

Following completion of the project covered by the screening direction, the holder of the screening direction shall recover any materials accidentally or temporarily deposited on the seabed, such as debris, temporary containers, structures or deposits, or scientific instruments, and shall return the materials to land. If it is not possible to recover any of these deposits, full details of the materials remaining on the seabed must be reported to the Department in accordance with the requirements of Petroleum Operations Notice No.2 (PON2).

## **8 Screening direction variation**

In the event that the holder of the screening direction proposes changes to any of the particulars detailed in the application for a screening direction, the holder must notify the Department immediately and submit an application for a post screening direction amendment. The post screening direction must be in place prior to the amended proposals taking effect.

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## COMMENTS ON THE APPLICATION FOR SCREENING DIRECTION

### Section 1

The attention of screening direction holders is drawn to the following provisions regarding The Offshore Oil and Gas Exploration, Production, Unloading and Storage (Environmental Impact Assessment) Regulations 2020.

1) You are deemed to have satisfied yourself that there are no barriers, legal or otherwise, to the carrying out of the project covered by the screening direction. The issue of a screening direction does not absolve the screening direction holder from obtaining such authorisations, consents etc that may be required under any other legislation.

2) The Department would draw your attention to the following comments:

The Department has no comments.

3) All communications relating to the screening direction should be addressed to:

#### **Out-of-hours emergency screening direction variations:**

Telephone Met Office out-of-hours service (0330 135 0010) and ask to be connected to the Department's On-call Response Officer (Offshore Environmental Inspectorate).

#### **Routine communications**

bst@beis.gov.uk

or

Offshore Petroleum Regulator for Environment & Decommissioning  
Department for Business, Energy & Industrial Strategy  
AB1 Building  
Crimon Place  
Aberdeen  
AB10 1BJ

Tel [REDACTED]

Fax [REDACTED]



## **SCHEDULE OF SCREENING DIRECTION DECISION REASONS**

The Secretary of State has decided that, based on the information provided, the project is not likely to have a significant effect on the environment. The main reasons for this decision are:

### **1) Decision reasons**

The following provides a summary of the assessments undertaken by OPRED to determine whether an Environmental Impact Assessment is required for this project, summarises the information considered, the potential impacts and sets out the main reasons for the decision made. In considering whether an Environmental Impact Assessment is required or not, the following have been taken into account:

- a) the information provided by the developer;
- b) The matters listed in Schedule 5 of The Offshore Oil and Gas Exploration, Production, Unloading and Storage (Environmental Impact Regulations 2020) (the Regulations);
- c) The results of any preliminary verifications or assessments of the effects on the environment of the project; and
- d) Any conditions that the Secretary of State may attach to the agreement to the grant of consent.

### **Characteristics of the Project**

Having regard, in particular, to the matters identified at paragraphs 1(a) to (g) of Schedule 5 to the Regulations, the characteristics of the project include the following:

### **Summary of the project**

Increase in gas and oil production from the Bittern field for 2021, oil production in 2022 and extension of consent to 2023.

### **Description of project**

This project consists of an increase in gas production of less than 500,000 cubic metres per day (remainder of 2021) and oil production of less than 500 tonnes per day (remainder of 2021 and 2022) and extension of consent for production to 2023 at the Bittern field. This is due to an increase in well performance from the B2z well side-track which was drilled in October 2020 (DRA/822 Direction Ref: DR/1951) combined with improved production from intervention at four Bittern field wells in 2020 (WIA/1045 and WIA/1079) involving re-perforating producing zones to reduce water content and well cleaning.



No cumulative impacts are expected to occur with any other existing or approved projects.

There is no change to the assessment of a major accident. The Developer has control measures in place to reduce the risk of a major accident occurring and the probability of such an event occurring is very low.

It is not considered to be likely that the project will be affected by natural disasters.

Other than the matters considered further below, there is not likely to be any significant impact of the project on population and human health.

### **Location of the Project**

Having regard in particular to the matters identified at paragraphs 2(a) to (c) of Schedule 5 to the Regulations, the environmental sensitivity of geographical areas likely to be affected by the project has been considered as follows:

The Bittern field is in blocks 29/1a and 29/1b. It is produced back to the Triton Floating Production Storage and Offloading (FPSO) vessel located in block 21/30 in the central North Sea (CNS). It lies approximately 170 kilometres (km) from the Scottish coast and 86 km from the UK/Netherlands median line, in an approximate water depth of 90 metres (m). The predominant direction of currents within the Triton area is south easterly. Tidal currents are between 0.01 - 1.0 m/s. Winds are highly variable but in winter predominantly southwest and north north-east and typically 6-11m/s but also less frequently 17-32m/s.

The sediments in the area of the site comprise sand and slightly gravelly sand. A survey at the platform location found fine to very fine sands with little evidence of historic drilling activity. Surveys done around the Triton FPSO demonstrated that overall, the faunal community was largely uniform, with low numbers of both taxa and individuals, spread evenly across the survey samples.

The Scottish Priority Marine Feature (PMF) 'offshore subtidal sands and gravels' occurs in the area of the FPSO. Surveys found a low number of sea pens but no 'plains of fine mud' which would identify it as the OSPAR threatened or declining habitat for 'seapens and burrowing megafauna communities'. Ocean quahog, listed under OSPAR and a Priority Marine Feature (PMF) was found in low numbers as juveniles rather than adults.

No habitat of national interest (Annex I, Habitats Directive) was identified during surveys, the nearest qualifying site being Scanner Pockmark SAC (Special Area of Conservation), 133km northeast, however the East of Gannet and Montrose Nature Conservation Marine Protected Area is 5.5km from Triton FPSO, qualifying features being deep sea mud, sand and gravel habitat and ocean quahog.

The project is located within international Council for the Exploration of the Sea (ICES (International Council for the Exploration of the Sea)) rectangle 43F0 noted for





Scottish PMF anglerfish, herring, mackerel, blue whiting, cod, ling, Norway pout, sandeel, spurdog and whiting with spawning of Norway pout, Norway lobster, cod, sandeel, mackerel and lemon sole and nursery activity which will coincide with operations. Commercial species are mostly demersal by weight and value but the contribution of the ICES area to UK weight and value is small.

Harbour porpoise, minke whale, white beaked dolphin and Atlantic white-sided dolphin have been recorded around Triton FPSO with densities from high to low throughout the year. All are 'species of national interest' and PMF (all listed as Annex IV European protected species and harbour porpoise also Annex II listed species). Triton is 170km from shore and therefore not likely to have a high number of grey or harbour seals, also 'species of national interest' (Annex II species).

Seabirds in the area include northern fulmar/ gannet, pomarine/ Arctic/ long tailed/ great skua, black legged kittiwake, great black backed/ lesser great black backed/ herring gull, common guillemot, razorbill, little auk and Atlantic puffin with northern fulmar, black legged kittiwake and common guillemot in decline. Seabird vulnerability to accidental spill is low all year but there is no data for November. Triton FPSO is 170km from shore which has several protections for species and habitats of national importance.

Shipping density in the area is low with the nearest oil and gas installation 11km northeast. There is no military restriction, no marine cables, wrecks or other development in the area.

Given the location of the project, it is not likely that the areas identified at paragraphs 2(c)(i), (iii), (iv), (vi), (vii) or (viii) of Schedule 5 to the Regulations will be affected by the project.

### **Type and characteristics of the potential impact**

In accordance with paragraph 3 of Schedule 5 to the Regulations, the likely significant effects of the project on the environment have been considered. Potential effects of emissions/ discharges on the environment from the activities associated with the project were assessed. Other than the matters considered further below, there is not likely to be any significant impact of the project on population and human health.

The request to revise the production consent for oil and gas at Bittern field because of improving production flow through four existing wells (intervention) and drilling a side-track to an existing well B2z (targeting another area of the reservoir) is within the capacity of the existing Triton FPSO production system and facilities with no hardware modifications. An overall decline in production is noted for this installation.

There will be no change to flare levels which are independent of production and due to safety events and plant unavailability. Gas will be combusted to work compressors rather than maintain turbine fixed speed drive with minimal change to turbine load. The increase in production at Bittern field is considered with regard to changes in



production from other fields produced at Triton with a longer term decline in production. There will therefore be no change to the number of shuttle tanker journeys and associated venting. There will be no change to permitted emissions and they will remain below the annual emissions limit for large combustion plant open cycle gas turbines. Emissions from combustion contribute to climate change and will be kept to a minimum. They disperse rapidly offshore with no likely significant effect on population or human health.

There will be no significant change to the volume of produced water as a result Bittern field production increase, or to its management or permitted discharge. Chemical use and discharge can increase with production, however there will be no changes or additions to chemicals used or discharged at Triton. All chemicals are risk assessed and managed. Discharge to sea will not be toxic or bioaccumulating.

The risk of an accidental unplanned event resulting in a spill remains the same and the asset has an up-to-date emergency response plan, active risk management and controls in place.

There are no significant transboundary effects from the operations. Oil production from Saxon field (also produced at Triton FPSO) is proposed to decrease in the short term against a longer term production decline at the FPSO. No significant cumulative impacts are expected to occur because of this project or with other existing or approved projects in the wider area.

It is considered that the increase in oil and gas production from the Bittern field is not likely to have a significant impact on other offshore activities or other users of the sea, the seabed, marine life or cetacean species and no cumulative impacts are expected to occur.

## **Decision**

Taking the above considerations into account, the Secretary of State has concluded that the project is not likely to have a significant impact on the environment and that an environmental impact assessment is not required.

## **2) Mitigation of significant effects**

The following are features of the project or measures envisaged that the developer has proposed to avoid or prevent what might otherwise have been significant adverse effects on the environment:

Not applicable.