

Our Ref: 01.01.01.01-4897U
UKOP Doc Ref:1181476



Offshore Petroleum Regulator
for Environment & Decommissioning

CHRYSAOR PETROLEUM COMPANY U.K. LIMITED
BRETENHAM HOUSE
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LONDON
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Registered No.: 00792712

Date: 17th December 2021

Department for Business, Energy
& Industrial Strategy

AB1 Building
Crimon Place
Aberdeen
AB10 1BJ

Tel [REDACTED]
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www.gov.uk/beis
bst@beis.gov.uk

Dear Sir / Madam

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

JADE JM WELL 30/02c-J10

A screening direction for the project detailed in your application, reference DR/2194/0 (Version 2), dated 17th November 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.

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**

JADE JM WELL 30/02c-J10

DR/2194/0 (Version 2)

Whereas CHRYSOOR PETROLEUM COMPANY U.K. LIMITED has made an application dated 17th November 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 WONS/13716/0/GS/1 Version 1.

Effective Date: 17th December 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

The screening direction shall be valid from 17 December 2021 until 31 October 2022.

2 Commencement and completion of the project

The holder of the screening direction must notify the Department for Business, Energy & Industrial Strategy (hereinafter called the 'Department') of commencement and completion of the project within two days:

- a) of commencement of the project and
- b) of completion of the project.

Notification should be sent by email to the Environmental Management Team Mailbox: bst@beis.gov.uk

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, extended well test emissions or flaring and venting emissions relating to a well test, using the appropriate Environmental Emissions Monitoring System (EEMS) reporting forms. In the case of atmospheric emissions relating to drilling projects undertaken from a fixed installation, they should be included in the annual EEMS reporting forms for the fixed installation.

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 further 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]



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 Assessment 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

- Slot recovery of existing Jade JM well;
- Drill sidetrack to new development target.

Description of the Project

Slot recovery and subsequent sidetrack drilling of the Jade JM well will be undertaken from a mobile offshore drilling unit (MODU) and are expected to take a total of 301 days between December 2021 and October 2022. The MODU is currently jacked-up on its three legs at the Jade platform. Slot recovery of the original well will take place before the new well can be drilled as a mechanical sidetrack. The new well will consist of five sections, all of which will be drilled using Low Toxicity Oil Based Mud (LTOBM). LTOBM cuttings will be thermally treated and recycled, with the associated water being discharged to sea if oil content is <30 mg/l. The associated cuttings will also be discharged to sea if the oil content is <1% of the



discharged volume. There is a contingency to re-drill all five sections again using LTOBM in the event that difficulties are encountered. Completion and wellbore clean-up operations will be carried out which will involve chemical use and discharge. No associated flaring is required. Pollution and nuisances are restricted to use of combustion equipment and chemicals.

No significant cumulative impacts are expected to occur with any other existing or approved projects. The next nearest installation is the Jasmine installation, approximately 14 km to the southwest.

The project is not at risk from natural disasters given its location in UK offshore waters, or unplanned major accident scenarios leading to an environmental incident. There is not considered to be any significant risk to 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 project is located approximately 253 km southeast of Aberdeen and 13 km west of the UK/Norwegian median line, in an area of the Central North Sea (CNS) where the water depth is approximately 80 metres (m). The surface current speed in the area is approximately 0.01 m/s and the wave height ranges from 2.1 - 2.4 m. Sediment at the site is classified as comprising mainly sand, with patches of slightly gravelly sand. Shell fragments are also likely to be present. Based on nearby surveys carried out, along with the known distribution of gas seeps in the CNS, no features associated with methane-derived authigenic carbonate formations are expected to be present. Levels of sediment hydrocarbon contamination in the wider area are within the normal range for this heavily developed area of the CNS. Benthic fauna identified by the site surveys was largely typical for this area of the CNS. Ocean quahog individuals were also identified during sampling in the wider area. Horse mussels were identified in the wider site surveys, but the seabed in the project area specifically is not considered likely to contain horse mussel aggregations that would constitute the Annex I habitat 'biogenic reef'.

The project is not located in any protected areas. The closest protected area is the Fulmar Marine Conservation Zone, located 27 km to the south. The project is located in an area of considerable oil and gas development. There are no wrecks or telecommunication cables in the nearby area. The project is not located within an area of military activity.

The project will take place during spawning seasons for cod, lemon sole, mackerel, Norway pout, plaice and sandeel, as well as within the nursery area of several fish species. Atlantic white-sided dolphin, common dolphin, harbour porpoise, minke whale and white-beaked dolphin have been sighted in the project area. Seabird abundance is low across the year in the project area. The area is described as a low intensity fishing area and fishing effort is predominantly focussed on demersal and



shellfish species.

Given the location of the project, the areas identified at paragraphs 2(c)(i), (iii), (iv), (vi), (vii) and (viii) of Schedule 5 are not likely to 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 on the environment from the activities associated with the project were assessed, including impacts arising from atmospheric emissions, physical presence and planned discharges. Other than the matters considered further below, there is not likely to be any significant impact of the project on population and human health.

Power generation on board the vessels will generate atmospheric emissions which are expected to result in a short-term deterioration in air quality in the immediate area. This localised effect is expected to be temporary given the meteorological conditions at the offshore location, which are expected to result in rapid dispersion of emissions. The installation activities are expected to take up to 301 days which represents a contribution of 0.074% to the total mass of CO₂ generated from UK offshore activities in a year. The impacts arising from atmospheric emissions on local air quality and climate are not considered to be significant.

The MODU is currently located alongside the Jade platform which has an existing 500 m radius safety zone, excluding the unauthorised access of vessels. This prohibits access to fishing and shipping vessels, although the wider area is described as a low intensity fishing area and therefore the physical presence of the MODU is not considered likely to have a significant impact.

Discharge of chemicals associated with the slot recovery and drilling activities have been assessed and found not to have a significant impact on the environment. The high energy marine environment is expected to result in rapid dispersion of chemical discharges. Following treatment, seawater and LTOBM cuttings will only be discharged to sea if chemical hydrocarbons are below permitted levels of 30mg/l oil in water and 1% oil on cuttings by volume.

A worst-case major accident scenario resulting from a potential well blow-out was modelled and assessed. The modelling indicates that hydrocarbons from such an event could potentially beach on Norwegian, Danish, Swedish and UK coastlines. The potential environmental impacts resulting from a worst-case event are not considered likely to be significant. The Developer has measures in place to prevent and respond to an accidental event.

The MODU is already located at the Jade platform and no additional seabed disturbance is expected from the project.

The project will generate underwater noise through vessel engine use, which is anticipated to have a negligible impact.



There are no expected transboundary impacts as a result of the project and no additional cumulative impacts have been identified given the other known approved projects in the wider area.

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 re

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.