

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

Project Summary – Regulation 11(2)

**TotalEnergies E&P UK Ltd
Alwyn East Field Development
Environmental Statement dated 23/09/2021**

**D/4264/2021
Date of Notice 22/10/2021**

Proposed Location of the Project

The Alwyn East field, which is operated by TotalEnergies E&P UK Ltd (TEPUK) is located in the Northern North Sea in United Kingdom Continental Shelf (UKCS) Blocks 3/04b, 3/04g and 3/05a. The field is located approximately 5.8 km north east of the Alwyn North platform (situated in Block 3/09a) from where the drilling and production activities will be carried out. The Alwyn North platform is 136 km east of Shetland (Scotland) and 9 km from the UK/Norwegian median line in a water depth of 130 m.

Proposed Activities

The proposed activities relate to the drilling of a new well in the Alwyn East field as part of the field life-extension strategy in the Alwyn Area, which comprises eight other fields: Alwyn North, Dunbar, Ellon, Grant, Nuggets, Forvie North, Jura and Islay.

The Alwyn North platform is the hub and support centre for these fields, supplying them with power and water injection support while simultaneously receiving produced water and gas via a network of subsea cables and pipelines. Alwyn North consists of two platforms, North Alwyn Alpha (NAA) and North Alwyn Bravo (NAB), which are linked by a bridge. The Dunbar platform processes fluids from the Dunbar, Grant and Ellon fields and is tied back to Alwyn by pipeline. The Alwyn Area is therefore produced by a mix of platform wells (Alwyn and Dunbar) and subsea tie-backs (other fields).

The Alwyn East well will be drilled via extended reach drilling (ERD) as a sidetrack from the existing N43 wellbore located at the NAA platform, and will produce directly into the Alwyn North well bay. Consequently, there are no new subsea facilities associated with the drilling and production from Alwyn East. Some upgrades to the existing topside facilities (a new top-drive system and variable frequency drive) on the NAA platform are currently being undertaken, as part of enabling works for upcoming drilling campaigns, including Alwyn East.

With the addition of production from Alwyn East, total produced fluids on the Alwyn platform are forecast to remain within the capacity of the existing facilities. The current compressors have the capacity to direct all fluids to export and as such, no modifications will be necessary.

If hydrocarbons are encountered at Alwyn East, oil will be mixed with fluids from the other fields producing into Alwyn and processed through the separation facilities on the NAB platform before being exported via the Cormorant Alpha pipeline to the Sullom Voe Terminal. Gas will be processed through the gas separator on NAB prior to export to St Fergus via the St Fergus Terminal pipeline system.

The proposed additional hydrocarbon production from the Alwyn East field (oil and/or gas) will not exceed historic production levels from the Alwyn platform.

Proposed Timeline for Activities

The Alwyn East drilling campaign is planned for spring 2022 and will take up to 175 days (worst case estimate, including contingency for weather downtime). First oil is expected by September 2022.