

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

## Project Summary – Regulation 11(2)

### Liverpool Bay CCS Limited HYPNET CARBON DIOXIDE TRANSPORTATION AND STORAGE PROJECT - OFFSHORE Environmental Statement dated February 2024 ES/2022/009 23 February 2024

#### Proposed Location of the Project

- The project location is within the carbon storage license area (CS004), including within Offshore Licensed Blocks 110/13a, 110/13b, 110/14a, 110/14c and 110/15a;
- The water depth at the proposed location ranges from 0.72 m to 35 m, with average water depths of 20 m.
- The distance to nearest UK coastline is 12 km to the north of the Welsh coastline and 2 km west of the English coastline.
- The distance to nearest international median line (UK/Ireland) is 60 nm.

#### Proposed Activities

The Project involves the repurposing of the existing offshore natural gas import pipeline from Point of Ayr (PoA) Gas Terminal to become an export pipeline to transport CO<sub>2</sub> to the newly constructed Douglas Carbon Capture and Storage (CCS) platform, and onwards to the Hamilton Main, Hamilton North, and Lennox platforms for injection into the depleted oil and gas reservoirs. The Project is located entirely within the 12 nm limit of both Welsh and English territorial waters and will include:

- installation of a new Douglas CCS platform to replace the existing Douglas Process platform to receive CO<sub>2</sub> from the onshore PoA Terminal and distribute CO<sub>2</sub> to the Hamilton Main, Hamilton North, and Lennox wellhead platforms;
- utilisation of the existing Hamilton Main, Hamilton North, and Lennox reservoirs for the injection of 109 Mt of CO<sub>2</sub> for permanent geological storage.
- drilling and re-completion of injection and monitoring wells by side-tracking existing production wells.
- installation of new sections of pipeline to connect the new Douglas CCS platform and the existing subsea natural gas pipelines.
- installation of new topsides on the Hamilton Main, Hamilton North, and Lennox wellhead platforms.
- installation of two submarine 33kV power cables, with integrated fibre-optic cable connections from PoA Terminal onshore to the modified Douglas platform, and onward connections to the three satellite platforms.

#### Proposed Timeline for Activities

- Installation of the new Douglas CCS platform will be carried out over approximately two months commencing with the new jacket, piles, and topsides during Q2 2027.
- Drilling, side-tracking, and recompletion of injection, monitoring, and sentinel wells from Q3/Q4 2024 until Q4 2026.

- The removal of the existing satellite platforms topsides and replacement with new during Q2/Q3 2027.
- Electrical cable laying and pull in operations from Q3 2025 to Q2 2026
- Electrical cable tie-ins to the CCS platforms during Q2/Q3 2027.
- First injection of CO<sub>2</sub> in Q4 2027.