

Liverpool Bay CCS Limited (LBCCS) is leading the development of a carbon dioxide transportation and storage system to decarbonise the north west of England and north Wales. As part of one of the UK's leading industrial decarbonisation projects, we are unlocking a low carbon future by reducing carbon dioxide emissions from industry and supporting economic growth in the region.

Welcome to our May 2026 edition of our bi-monthly newsletter

This month, we share a **construction update** on the tunnelling works that will enable the Main Onshore Pipeline to pass beneath **the M53**, as well as an important **milestone** reached in our **Point of Ayr (PoA)** works.

We also are introducing a **'jargon busting' feature** to help you understand what construction is going on in your local area. This issue focuses on **Above Ground Installations (AGIs)** and **Block Valve Stations (BVs)**.

You can also read about United Infrastructure's (UI's) **pipeline walk challenge** in March, which raised funds for local community centres, and the recent visits our team made to Aberystwyth University and Sandycroft Primary School as part of our ongoing social value commitments.

As part of our regular **meet-the-team** piece, we meet **Julia Frost**, our PoA Local Liaison Manager with Saipem, to understand more on her role on the project.

Pipeline installed beneath the M53



Image of the Tunnel Boring Machine (TBM) used beneath the M53 crossing

Construction of the Main Onshore Pipeline has reached a significant milestone with the successful installation of the first section beneath the M53. The first stage in construction was completed before Christmas 2025 with the construction of the tunnel under the M53 using a tunnel boring machine (TBM). In March 2026, the pipe was lowered into the tunnel at the launch shaft and pushed through to the reception shaft on the opposite side of the motorway.

The next stage will involve installing curved sections of pipe, known as swan necks. These will connect the tunnelled section beneath the M53 to the pipeline on either side, allowing it to transition smoothly to higher ground.

Major Main Onshore Pipeline milestone reached



Image of Main Onshore Pipeline deliveries arriving in the UK via sea freight

On Saturday 18 April, the first vessel carrying sections of the Main Onshore Pipeline arrived in the UK via sea freight. Each section is 18-metres long (about the length of a ten-pin bowling lane) and 36-inches in diameter.

Once the pipe has been offloaded from the ship, they will be stored on bunds before being transported on a rear-steered lorry to the construction working area. Once on site, the pipe sections will be laid out in sequence along the route (known as “pipeline stringing”) ready for bending, welding and installation.

All traffic routes used to transport the Pipeline have been assessed as part of the Construction Traffic Management Plan (CTMP) and have been approved by Flintshire County Council (FCC) / Cheshire West and Chester Council (CWCC) in advance.

You can view the CTMP on:

[FCC's Citizen Portal for Planning](#) by searching the planning reference: **DCO/000528/25**

Phase One of PoA foreshore works complete



Image of PoA Lighthouse

Phase One of the PoA Cable Route Foreshore Works has now been successfully completed.

This phase focused on constructing the Horizontal Directional Drilling (HDD) conduit from the entry pit at our Warren Farm compound to the exit pit on Talacre Beach. By using a trenchless HDD method of construction, we were able to tunnel beneath the sand dunes, minimising disruption and environmental impact. The tunnel will contain a combined electrical and fibre-optic cable to connect the PoA Terminal and the New Douglas Offshore CCS Platform.

Following a short break, Phase Two of work is scheduled to begin in June 2026. This phase will start with preparing the beach for the cable pull by constructing a cable route highway to allow for the cable to be pulled up the beach by a pulling winch and fed through to the HDD exit pit. After this, a specialised cable laying vessel will carry out a simultaneous lay and burial of the cable towards the New Douglas Offshore CCS Platform.

Once all work is complete, all equipment will be removed from the beach, leaving no visible infrastructure. Phase Two is expected to last until August 2026, subject to project progress.

Thank you to the local community for your patience and understanding throughout the project so far. If you have any questions, or would like to know more about the project you can visit our website at: hynethub.co.uk/poa or contact us via email at hello@hynethub.co.uk

Charity challenge to walk the Pipeline in March 2026



One of our teams taking on the challenge to walk the Main Onshore Pipeline route

Between 26-28 March 2026, members of our Main Onshore Pipeline construction contractor, UI, team took on the fundraising challenge to walk the route of the Main Onshore Pipeline.

Over three days, the team followed the route of the Main Onshore Pipeline, covering 42 miles between Elton in Cheshire and Talacre in North Wales.

The purpose of the challenge was to fundraise for two community centres (Elton and Talacre), which mark the start and end points of the Pipeline, and raised £672 in total. Well done team!

Welcoming Aberystwyth University back to PoA



The LBCCS project team presenting to Aberystwyth University students

We were delighted to welcome Aberystwyth University's Earth Science students to PoA on Wednesday 25 March 2026, for an engaging session focused on carbon capture and storage (CCS) in North Wales.

For more than a decade, PoA has been a key stop in the students' learning journey, giving them insight into how their course is put into practice in the region and giving them a chance to think about future careers. This year's visit continued that tradition with a session covering the range of disciplines working towards realising one of the UK's leading industrial decarbonisation projects.

Rob Pointon, LBCCS Operations Readiness Manager, and Kim Norman, LBCCS Land Management Advisor, shared insights into the project and land management responsibilities at Talacre. They were joined by Julia Frost (from Saipem, who are providing works at the PoA Terminal) and Guy Lister (from Boskalis, who are providing works at the PoA foreshore), who provided updates on progress and exciting developments across the PoA Terminal and beyond.

The students' enthusiasm and thoughtful questions highlighted a strong interest in the future of CCS and North Wales' role in its development.

Thank you to the team and Aberystwyth University for a fantastic day of learning, collaboration, and continued partnership with regional higher education.

LBCCS and UI hosting an assembly with Sandycroft County Primary School



Meet Esmé: Sandycroft pupils name LBCCS's next TBM

In March 2026, Cerys Percival (LBCCS's Sustainability and Communication Coordinator), Chris Turner (UI's Senior Project Manager) and Tom Simmons (UI's ESG Coordinator) attended a morning assembly at Sandycroft County Primary School. The team explained how CCS supports the UK's net zero transition and shared more about the construction work taking place next to the school with the Head Teacher, staff and pupils.

Pupils also helped name the TBM, that will be used under Chester Road in Queensferry. The TBM* will be called **Esmé**, in honour of Esmé Kirby (1910–1999) who was a prominent Welsh conservationist recognised for her efforts to protect Snowdonia.

*TBMs are used to install pipes underground by excavating soil at a rotating cutting head while a pipe is simultaneously pushed through the ground behind it.

Representatives of partner organisations during the Seeing is Believing day



Seeing is Believing day

In April 2026, representatives from partner organisations across the Liverpool Bay Carbon Dioxide (CO₂) TransportStorage Project got together for our Seeing is Believing day, to explore how we can collectively deliver meaningful community benefits across the Project.

Representatives from LBCCS, UI, Saipem, Joseph Gallagher Limited, ABB and D Morgan considered opportunities for volunteering initiatives, educational visits and developing careers for young people across the project.

The Seeing is Believing day incorporated a visit to the Sandycroft Community Hub and Pantry to see first-hand how important local initiatives are for communities. In 2025, UI supported the hub in clearing an overgrown area of the grounds to make space for a shed (donated by LBCCS and UI). The tour of the hub was also a useful reminder that even small initiatives can have big impacts. The shed now safely stores much of the hub's equipment, allowing more space inside the building.

Safety milestone for the construction of the Main Onshore Pipeline



Onsite construction team safety moment

UI is now one year into the construction of the Main Onshore Pipeline. With, 500,000 hours worked so far, significant progress has been made across the route with construction team also marking one year without any injuries. This is a significant achievement for the team and is a testament to the disciplined approach and unwavering commitment to health, safety, and wellbeing on site.

Jargon busters: What are AGIs and BVSs?



Illustrative image of an AGI

As construction continues to progress, you may start to notice new features appearing along the route of the project. To help explain what these are and why they are needed, we are launching a new jargon-busting feature in our bi-monthly newsletter.

Our focus this newsletter is on AGIs and BVSs.

An **AGI** provides a transition point along a CO₂ pipeline where it connects upstream emitters or other sections of the transportation system to the CO₂ pipeline. They play an important role in the safe and efficient operation of the pipeline and allow access for routine inspections and maintenance. More information about AGIs is available [here](#)

A **BVS** isolates points along the Pipeline, allowing sections to be safely isolated when required, such as during maintenance activity. This helps ensure the pipeline can be operated and maintained safely and efficiently. More information about BVS is available [here](#)

Meet the team... Julia Frost



Image of Julia Frost in Kenya

In each edition of our newsletter, we introduce you to members of the team working on different aspects of the Liverpool Bay CO₂ Transport and Storage Project. This month, we're pleased to feature Julia Frost, who is the Local Liaison Manager for Saipem, the Principal Contractor working at the PoA Terminal.

1. Please tell us about your role on the Liverpool Bay CO₂ Transport and Storage Project

I am the Local Liaison Manager for Saipem, the Principal Contractor working at the PoA Terminal. My role is the link between Saipem and stakeholders, for example, FCC, Natural Resources Wales, Community Council and the community. I ensure that all the relevant permissions are in place prior to work commencing on site and that the activities are carried out in a way that minimises the impact on the community.

2. What does a typical day of working on the Liverpool Bay CO₂ Transport and Storage Project look like for you?

No two days are the same. My day could be spent pulling together information for applications to the authorities or following up on reports of potential offsite issues that are reported to be related to our site activities. I could also be involved in meetings with the wider project team (both within Saipem and with the client) or with the relevant authorities.

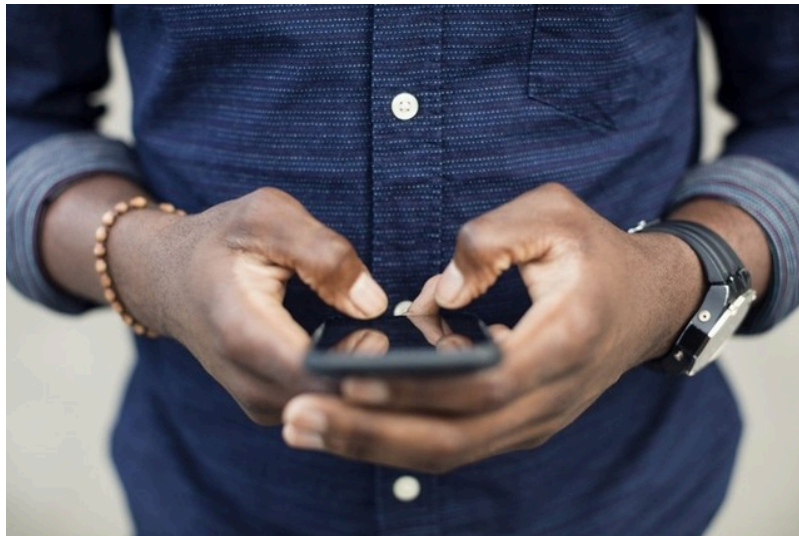
3. What are the most rewarding and challenging aspects of your role?

The most challenging aspect of the role is ensuring that applications are submitted in line with our programme to ensure the relevant authorities have sufficient time to determine and issue the permits so that our schedule is not impacted. Working with the Project Team to achieve this can also be the most rewarding aspect.

4. What are your hobbies and interests outside of work?

Outside of work I like spending time with my family, cooking, travelling and walking. My photo is me on a recent holiday to Kenya, making some animal friends along the way!

Stay connected



If you have any comments, questions or would like us to feature a specific topic in our next newsletter, please get in touch by emailing hello@hynethub.co.uk or calling our project phoneline 0113 395 4495.

You can also follow the wider HyNet project using these social media channels:

- [Facebook](#)
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