

Liverpool Bay CCS Project

Marine Licence CML2365 - CEMP#3 Rev D

APPENDIX L

Chemical Permit Application CP/3983/0 (Version 1) MAT WIA/2030 - Douglas CCS Platform Grouting

Supporting document referenced in Section 2.10 of CEMP#3 Rev D in relation to grouting operations and marine discharges associated with installation of the new Douglas CCS Platform.

Application CP/3983/0 (Version 1)

Chemical Permit

Please provide all relevant data pertaining to the required Chemical Permit.

Licence / Well / Installation Operator Information

Licence / Well / Installation Operator	LIVERPOOL BAY CCS LIMITED
Primary Contact Name	Miss Catherine A Jones
Primary Contact Position	ENVIRONMENTAL CO-ORDINATOR
Primary Contact Address	LLANEURGAIN HOUSE NORTHOP COUNTRY PARK NORTHOP MOLD CH7 6WD
Primary Contact Telephone Number	+44 (0)1352 842 360
Primary Contact Email Address	catherine.jones@eni.com

Well Information

Field	DOUGLAS
Primary Well	7913
Earliest Commencement Date	1st September 2026
Latest Completion Date	31st December 2026

Hydrocarbon Chemicals and Substitute Hydrocarbon Chemicals ("Oils") Waste Streams

Do any of the proposed operations involve the disposal of waste streams contaminated with hydrocarbon chemicals or substitute hydrocarbon chemicals?	No
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Operations

For every discrete chemical use and/or discharge operations to be covered by the chemical permit please create a record in the operation list.

Operation Name	Operation Type
Grouting	OTH Other operations (details must be provided in EIA Justification)
Use Location	
Quadrant	110
Block	13
Suffix	b
Coordinates	53 32 22.99 North 003 34 52.54 West
Discharge Location	

Quadrant	110															
Block	13															
Suffix	b															
Coordinates	53 32 22.99 North 003 34 52.54 West															
Other Information																
Water Depth (m)	29															
Mean Residual Current (ms-1)	0.5															
Platform Density (Platform km-2)	0.1															
Ambient Water Volume (m3 Platform-1)	290000000															
Organic Fraction	0.04															
Operation Chemicals																
DTI ID	Chemical	Expired?	Primary / Contingency Chemical	Chemical Function Group	Chemical Label Code	Estimated Use (kg)	Estimated Discharge (kg)	Dosage (mg/l)	Dosage Stream	HQ / OCNS	RQ	Charm Algorithm	Discharge Code	Batch Dilution Factor	Discharge Volume (m3)	Discharge Rate (m3/hour)
29331	Dyckerhoff Class G, Dyckerhoff GmbH	This Chemical expires on 07/12/2026 but it is implicated in an operation which ends on 31/12/2026	Primary	Cement or Cement Additive	PLO	200000	20000	-	Seawater	E	N/A	CNA	BAT	N/A	-	-
Footnotes																

Risk Assessment

Applications for chemical permits and permit variations must be supported by a chemical risk assessment that can be uploaded in this section as a separate file (preferred) or included in the Environmental Impact Assessment. Where the risk assessment is not based on the generation of Risk Quotient (RQ) values using the CHARM model, the name(s) of the selected model(s), including version number(s), must be provided in the following text box, and a brief description of the model(s), the parameters used to run the model(s) and supporting information justifying the use of the selected model(s) must be provided in the chemical risk assessment, or in a separate uploaded file or files.

Text Input	CRA memorandum rev 0
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Chemical Summary

DTI ID	Chemical	Chemical Function Group	Chemical Label Code	Aggregate Use (kg)	Aggregate Discharge (kg)
29331	Dyckerhoff Class G, Dyckerhoff GmbH	Cement or Cement Additive	PLO	200000	20000

SAT Reference CP/3983/0 (Version 1)
Approval Type Chemical Permit

MAT Reference WIA/2030
MAT Type Well Intervention
Operation

Status Submitted
Date Submitted 12th June 2026
17:03:45

Well No.110/13-D1
Field DOUGLAS

Operator LIVERPOOL BAY CCS
LIMITED

Folder Ref



Department for
Energy Security
& Net Zero

SAT Change History

There have been 0 change(s) to this SAT.

MAT - WIA/2030

Operation Information

Licence / Well / Installation Operator

Operator Type	Carbon Dioxide Storage Licence Operator
Is the licence operator or licensee different from the applicant	No

Previous Environmental Statement, PON15, Decommissioning Programme or MAT

Have the proposed operations been the subject of an Environmental Statement, a previous PON15, Decommissioning Programme or MAT?	Yes
What was the DECC project number?	ES/2022/009

Environmental Management System

Are the proposed operations covered by an Environmental Management System (EMS) approved by the Department?	Yes
Please indicate the date of the last certification or verification	1st January 2025

Oil Pollution Emergency Plan

Are the proposed operations covered by an Oil Pollution Emergency Plan (OPEP)?	Yes
Please provide the Department's OPEP reference number	180054
Has the OPEP, and any relevant bridging documents, been approved by the Department?	Yes
Please indicate when the OPEP and any relevant bridging documents were approved	25th June 2025

OPOL Membership

Does the licence operator or a relevant licensee have OPOL membership?	Yes
Is the licence operator or licensee different from the applicant	false
Please indicate when the licence operator or licensee joined OPOL	13th January 2014
Do the licensees have alternative or additional pollution indemnity arrangements to OPOL membership?	No

Environmental Considerations

Details on how the environmental sensitivities, marine planning policies and any licence conditions and obligations have been addressed, and details of any third party consultations undertaken, must be included in the EIA. Details of relevant marine planning policies can be found at <http://mis.marinemanagement.org.uk/index2.htm>. Failure to provide full details may results in the application being returned or being delayed.

Protected Conservation Sites

Are there any protected conservation sites (e.g. SPA, SAC, SCI, SSSI, RAMSAR, MCZ or MPA) within 40km of the operation's location?		Yes
Name And Type of Site	Designating Features	Distance From Operations (km)
Liverpool Bay / Bae Lerpwl SPA	Features: Annex I species: Red-throated diver (<i>Gavia stellata</i>), Little gull (<i>Hydrocoloeus minutus</i>), Little tern (<i>Sternula albifrons</i>), Common tern (<i>Sterna hirundo</i>). Regularly occurring migratory species: Common scoter (<i>Melanitta nigra</i>). Assemblages: Waterbird assemblage.	0.4
Fylde MCZ	Features: Subtidal sands, Subtidal muds.	20.9
Y Fenai a Bae Conwy/ Menai Strait and Conwy Bay SAC	Features: Annex I habitats: Sandbanks which are slightly covered by sea water all the time, Mudflats and Sandflats not covered by seawater at low tide, Reefs, Large shallow inlets, and bays, and submerged or partially submerged sea caves.	22.8
Dee Estuary/ Aber Dyfrdwy SAC	Features: Annex I habitats: Mudflats and sandflats not covered by seawater at low tide, Salicornia and other annuals colonising mud and sand, Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>), Estuaries, Annual vegetation of drift lines, Vegetated Sea cliffs of the Atlantic and Baltic coasts, Vegetated sea cliffs, Embryonic shifting dunes, Shifting dunes, Shifting dunes along the shoreline with <i>Ammophila arenaria</i> , Shifting dunes with marram, fixed coastal dunes with herbaceous vegetation, Dune grassland, humid dune slacks. Annex II species: Sea lamprey (<i>Petromyzon marinus</i>), River lamprey (<i>Lampetra fluviatilis</i>), Petalwort (<i>Petalophyllum ralfsii</i>).	24.2

Name And Type of Site	Designating Features	Distance From Operations (km)
The Dee Estuary SPA	Features: Common shelduck (<i>Tadorna tadorna</i>), Eurasian teal (<i>Anas crecca</i>), Northern pintail (<i>Anas acuta</i>), Eurasian oystercatcher (<i>Haematopus ostralegus</i>), Grey plover (<i>Pluvialis squatarola</i>), Red knot (<i>Calidris canutus</i>), Dunlin (<i>Calidris alpina alpina</i>), Black-tailed godwit (<i>Limosa limosa islandica</i>), Bar-tailed godwit (<i>Limosa lapponica</i>), Eurasian curlew (<i>Numenius arquata</i>), Common redshank (<i>Tringa totanus</i>), Sandwich tern (<i>Sterna sandvicensis</i>), Common tern (<i>Sterna hirundo</i>), Little tern (<i>Sterna albifrons</i>). Assemblages: Waterbird assemblage.	24.2
Mersey Narrows and North Wirral Foreshore SPA	Features: Bar-tailed godwit (<i>Limosa lapponica</i>), Little gull (<i>Hydrocoloeus minutus</i>), Knot (<i>Calidris canutus islandica</i>), Common tern (<i>Sterna hirundo</i>).	28.5
Ribble and Alt Estuaries SPA	Features: Bewick's swan (<i>Cygnus columbianus bewickii</i>), Whooper swan (<i>Cygnus cygnus</i>), Pink-footed goose (<i>Anser brachyrhynchus</i>), Common shelduck (<i>Tadorna tadorna</i>), Eurasian wigeon (<i>Mareca penelope</i>), Eurasian teal (<i>Anas crecca</i>), Northern pintail (<i>Anas acuta</i>), Eurasian oystercatcher (<i>Haematopus ostralegus</i>), Ringed plover (<i>Charadrius hiaticula</i>), European golden plover (<i>Pluvialis apricaria</i>), Grey plover (<i>Pluvialis squatarola</i>), Red knot (<i>Calidris canutus</i>), Sanderling (<i>Calidris alba</i>), Dunlin (<i>Calidris alpina alpina</i>), Ruff (<i>Philomachus pugnax</i>), Black-tailed godwit (<i>Limosa limosa islandica</i>), Bar-tailed godwit (<i>Limosa lapponica</i>), Common redshank (<i>Tringa totanus</i>), Lesser black-backed gull (<i>Larus fuscus</i>), Common tern (<i>Sterna hirundo</i>). Sanderling (<i>Calidris alba</i>). Assemblages: Waterbird assemblage, seabird assemblage.	28.4

Name And Type of Site	Designating Features	Distance From Operations (km)
Sefton Coast SAC	Features (Primary): (2110) Embryonic shifting dunes; (2120) Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ; (2130) Fixed costal dunes with herbaceous vegetation; (2170) Dunes with <i>Salix repens</i> ssp. <i>Argentea</i> (<i>Salicion arenariae</i>); (2190) Humid dune slacks. Features (Secondary): (2150) Atlantic decalcified fixed dunes (<i>Calluno Ulicetea</i>) Features (Annex II, Primary): (1395) Petalwort <i>Petalophyllum ralfsii</i> Features (Annex II, Secondary): (1166) Great crested newt <i>Triturus cristatus</i> .	28.4
Anglesey Terns / Morwenoliaid Ynys Môn SPA	Features: Breeding roseate tern (<i>Sterna dougallii</i>), common tern (<i>Sterna hirundo</i>), Arctic tern (<i>Sterna paradisaea</i>) and sandwich tern (<i>Sterna sandvicensis</i>).	35.9
Traeth Lafan/ Lavan Sands, Conway Bay SPA	Features: Annex I habitats: Mudflats and sandflats not covered by seawater at low tide, Large shallow inlets and bays.	39.8
Shell Flat and Lune Deep SAC	Features: Annex I habitats: Sandbanks which are slightly covered by sea water all the time, Reefs. General site character: marine areas, sea inlets.	37.2
Sources	- https://www.gov.uk/government/collections/marine-planning-in-england - https://jncc.gov.uk/our-work/about-marine-protected-areas/	

Spawning Locations

Does the location and timing of the operations coincide with any fish or shellfish spawning or nursery areas?	Yes											
Species Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Anglerfish (<i>L. piscatorius</i>)	N	N	N	N	N	N	N	N	N	N	N	N
Atlantic cod (<i>Gadus morhua</i>)	SN	SN	SN	SN	SN	N	N	N	N	N	N	N
Herring (<i>Clupea harengus</i>)	N	N	N	N	N	N	N	N	N	N	N	N
Lemon sole (<i>Microstomus kitt</i>)	N	N	N	SN	SN	SN	SN	SN	SN	N	N	N
Ling (<i>Molva molva</i>)	N	S	S	S	S	N	N	N	N	N	N	N
Mackerel (<i>Scomber scombrus</i>)	N	N	SN	SN	SN	SN	SN	N	N	N	N	N
Norway Lobster (<i>N. norvegicus</i>)	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Plaice (<i>Pleuronectes platessa</i>)	SN	SN	SN	N	N	N	N	N	N	N	N	SN
Lesser sandeel (<i>A. marinus</i>)	SN	SN	N	N	N	N	N	N	N	N	SN	SN
Sole (<i>Solea solea</i>)	N	N	SN	SN	SN	N	N	N	N	N	N	N
Spotted Ray (<i>Raja montagui</i>)	N	N	N	N	N	N	N	N	N	N	N	N

Species Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sprat (Sprattus sprattus)	SN	S	S	SN	SN	SN	SN	N	N	N	N	N
Spurdog (Squalus acanthias)	N	N	N	N	N	N	N	N	N	N	N	N
Thornback ray (Raja clavata)	N	N	N	N	N	N	N	N	N	N	N	N
Tope shark (G. galeus)	N	N	N	N	N	N	N	N	N	N	N	N
Whiting (Merlangius merlangus)	SN	SN	SN	S	S	SN	SN	SN	SN	N	N	N

Sources	- Other: Please enter a description of the source(s) and any relevant scale/index in the box provided - Fisheries Sensitivity Maps in British Waters, Coull, Johnstone and Rogers, UKOOA (1998)
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Marine Mammal Sensitivities

Does the location and timing of the operations coincide with any marine mammal sensitivities e.g. high densities or seal pupping?	Yes
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Species Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bottlenose dolphin								2	3			
Harbour porpoise		3		3	3		3	3	3	3	3	
White-beaked dolphin									3			

Sources	- Reid et al, (2003). Atlas of cetacean distribution in north-west European waters. Joint Nature Conservancy Committee.
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Seabird Sensitivity

Are there times of the year when seabirds in the vicinity of the proposed development are more sensitive than at other times of the year?	Yes
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Quadrant/Block	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Quadrant 110	1	1	1	1	5	4	5	4	2	2	1	2
Block 13												
Suffix												
Quadrant 110	1	1	1	1	5	3	5	4	5	3	1	2
Block 17												
Suffix												
Quadrant 110	1	1	1	1	5	4	5	4	1	1	1	2
Block 18												
Suffix												
Quadrant 110	1	1	1	1	5	4	5	4	4	3	1	2
Block 12												
Suffix												
Quadrant 110	1	2	2	3	4	4	5	3	4	2	1	1

Quadrant/Block		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Block	8												
Suffix													
Quadrant	110	1	1	1	2	4	4	5	3	4	1	1	1
Block	14												
Suffix													
Quadrant	110	2	3	2	3	5	5	5	4	3	2	3	2
Block	7												
Suffix													
Quadrant	110	1	1	1	1	5	5	5	4	1	1	1	1
Block	19												
Suffix													
Sources	- Seabird Oil Sensitivity Index (SOSI), Webb et al, (2016)												

Licence Conditions, Recommendations or Model Clauses

Are there any licence conditions, recommendations or model clauses relevant to the impact assessment of the proposed operations?	No
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Areas Licenced to a Third Party

If operations extend into an area or areas licenced to a third party, have you obtained the permission of the relevant third party?	N/A
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Crown Estates

If operations extend into an area or areas leased to a third party by The Crown Estates, have you consulted the relevant third party?	N/A
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Relevant Consultees

Have you discussed the operations with any relevant consultees, e.g. JNCC, Cefas, Marine Scotland or the Ministry of Defence?	Yes
Please indicate which consultees were consulted, and when the discussions took place	Discussions have been held with Trinity house and the Maritime Coastguard Agency to agree appropriate mitigation measures to minimise impacts to other sea users in the area from the proposed operation.

Fishermen's Representative Bodies

Have you discussed the operations with any relevant fishermen's representative bodies, e.g. NFFO, SFF, ANIFPO?	No
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Marine Planning

Does the operation fall within area covered by an adopted marine plan?	Yes
Please confirm the relevant marine plan area	WELSH_MP
Please list the marine plan policies and/or objectives that are relevant to the proposed operations	The Marine Policy Statement sets high level marine objectives for Wales which reflect the principles of sustainable development. The objectives are: • Achieving a sustainable marine economy • Ensuring a strong, healthy and just society • Living within environmental limits • Oil and Gas These objectives will be delivered in the Welsh National marine plan area through a variety of means, but principally by addressing the issues through marine plan policies.
Are the proposed operations in accordance with the relevant marine plan policies and/or objectives	Yes

Project Information

Production / Storage Licence Number

Production / Storage Licence number	P710
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Block Reference

Quadrant	110
Block	13
Suffix	b

Field

Does this project relate to an established field or a named prospect?	Established Field
Field	DOUGLAS

Wells Associated with this Application

Please provide the details of all the wells associated with this application and indicate which well is the primary well.

DTI Well Number / Well File Section ID	Is this the Primary Well	Well Details		Operation Location
110/13-D1	✓	Well Type	Other	Platform
		Please specify type	This well is not involved in this application	

Platform

If operation is to be performed from an existing platform or drilling template, please enter name of platform or template	Douglas CCS Platform
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Primary Well Location

Datum	WGS84
Coordinates	53 32 22.99 North 003 34 52.54 West
Nearest Coastline Distance (km)	24.4
Which Coastline	England
Nearest Median Line Distance (km)	112.5
Which Median Line	UK/Ireland

UKCS Region

UKCS Region	Irish Sea (IS)
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Water Depth

Water depth (metres)	29
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Mobile Drilling Units (MoDUs) and Well Intervention Vessels Associated with this Application

No information has been provided for any MoDUs or Well Intervention Vessels.

Is the Well High Pressure/High Temperature

Is the well high pressure/high temperature?	
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Are Hydrocarbons Expected

Do the operations relate to producing wells?	No
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