Pace CCS and deepC Store submit CO2 shipping supply specification to the Australian Government

Thursday 29 June, 2023

deepC Store (“dCS”) has submitted the CO? supply specification for CStore1, dCS’s floating CCS hub project, developed with carbon capture specialists Pace CCS.

dCs is a major international decarbonisation project that enables import of waste CO? from large Japanese industry by ship for permanent disposal in deep reservoirs offshore Australia.

The CO? supply specification is a key requirement to allow development of project infrastructure. The public release of this specification is intended to inform the emerging CCS industry and global progress towards Net Zero.

dCS and Pace CCS considered a wide range of potential CO? supply sources including iron & steel furnaces, traditional fossil fuel power plants, biomass power plants and waste incinerators, refinery emissions, cement plants & kilns, lime production, ammonia production, and carbon capture Direct from Air (DAC).

Daein Cha, Director of dCS, says: “We are pleased to publish our work with Pace CCS. The CO? supply specification is one of the most important technical conditions to determine with our prospective CO? suppliers. This ensures that no risk to downstream material integrity or other HSE risks are introduced to our CCS projects, and that we maximise flexibility such that cost of CO? capture by the CO? suppliers is minimised. We trust that this information will assist other CCS project proponents to determine a pragmatic and robust CO? supply specification for their projects.”

Matt Healey, Managing Director of Pace CCS, says: “CStore1 is a world-leading project and we are delighted to share this specification publicly. All CCS projects must ensure integrity, while maximising uptime and allowing maximum flexibility for operations. We hope that this information is useful to regulators and to other projects to find this balance.”

Michael Malavazos, Director of Engineering Operations at the Department for Energy and Mining in South Australia and Chair of the Australian CCS mirror committee to the ISO technical standards committee, provides praise for this work being published: “This is an excellent and promising initiative to setting an international benchmark for CO? stream composition for the purpose of ensuring safe and reliable transportation and injection.”

More details can be found on deepC Store’s press release:

Pace CCS is the world’s leading provider of engineering design to the CCS and blue hydrogen industries. An independent, knowledge-driven team with deep experience on dozens of CCS projects worldwide, offering full-chain CCS/H2 engineering, from capture to storage.

For further information please contact Mark Ames on +44 07714 137 309 or mark@paceccs.com

Pace CCS Ltd. - +44 (0)20 8076 3280 - pr@paceccs.com - https://paceccs.com - https://uk.linkedin.com/company/pace-ccs

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Company Contact:

Pace CCS Ltd

T. +44 (0)20 8076 3280
E. pr@paceccs.com
W. https://paceccs.com

Additional Contact(s):
For further information please contact Mark Ames on +44 07714 137 309 or by mail on mark@paceccs.com

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