



Update on the London Protocol CO₂ Export Resolution

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4th Offshore CCS Workshop

11-12 February, 2020

Bergen, Norway



Who are we?

Our internationally recognised name is the IEA Greenhouse Gas R&D Programme (IEAGHG). We are a Technology Collaboration Programme (TCP) and are a part of the International Energy Agency's (IEA's) Energy Technology Network.

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International Energy Agency



United Nations Framework Convention on Climate Change



CCS in CDM at COP11-17
CCS Side Events at COP17-25

Input to WPF



IEAGHG
Technical reports to CSLF
Technical Group



Expert Reviewers, Accredited Observer



ISO Technical Committee on CCS, TC-265
4 draft standards, 2 technical reports
IEAGHG input



London Convention:
Regular updates on CCS:
ROAD permit assessment,
Offshore workshops
CO₂ Export

London Convention and Protocol



- Marine Treaty - Global agreement regulating disposal of wastes and other matter at sea
- Convention 1972 (87 countries)
- Protocol 1996 – ratified March 2006 (51 countries as of Oct 2019)
- Annual Meeting of the Contracted Parties. Annual meeting of Scientific Group.

- How it works:
- Prohibition on dumping of all wastes, except for those listed in Annex 1, which need to be permitted under conditions in Annex 2.

- Annex 1: dredged material; sewage sludge; fish waste; vessels and platforms; inert, inorganic geological material; organic material of natural origin; bulky items primarily comprising unarmful materials, from small islands with no access to waste disposal options

London Convention and Protocol and CCS



- Prohibited some CCS project configurations
- CO₂ Geological Storage Assessed by LC Scientific Group 2005/6
- 2006 - Risk Assessment Framework for CO₂
- **To allow prohibited CCS configurations – Protocol amendment adopted at 28th Consultative Meeting (LP1), 2 Nov 2006** - came into force 10 Feb 2007 to allow disposal in geological formations
- CO₂ Specific Guidelines (2007) – provide the environmental protection

London Protocol Transboundary



London Protocol Article 6

“EXPORT OF WASTES OR OTHER MATTER

Contracting Parties shall not allow the export of wastes or other matter to other countries for dumping or incineration at sea.”

- Prohibits transboundary transport of CO₂ for geological storage
- 2009 LP4 (30 Oct) - Amendment to allow export of CO₂ for storage was adopted by vote.
- Article 6 , new para 2 : **‘Export of CO₂ for disposal in accordance with Annex 1 may occur, provided an agreement or arrangement has been entered into by countries concerned’**
- Agreement shall include : permitting responsibilities; for export to non-LP Parties provisions equivalent to LP’s for issuing permits.
- **But, to come into force needs ratification by two thirds all Parties** - Only Norway, UK, Netherlands, Iran, Finland and Estonia ratified to date (2019)

London Protocol CO₂ Export



- LC41 and LP14 meeting at IMO London, 7th-11th October 2019
- **Norway and Netherlands proposal to LP14 for “Provisional Application” of export amendment (joined by UK).** Drawing on IEA report 2011 (IEAGHG input). Drafting Group formed at LP14.
- IEAGHG supported with Information Paper 2019-IP11, and evidence-base in plenary with paper LC41/INF3
- **Success! – Resolution for Provisional Application adopted 11 Oct 2019**



Resolution LP.5(14) on the Provisional Application of the 2009 Amendment to Article 6 of the London Protocol



Approved on 11 October 2019

2 pages of preamble then the operative clauses as follows:

- *1. DECIDES to allow for the provisional application of the 2009 amendment pending its entry into force by those Contracting Parties which have deposited a declaration on provisional application of the 2009 amendment;*
- *2. INVITES Contracting Parties to deposit with the Depositary a declaration on provisional application of the 2009 amendment of the London Protocol pending its entry into force;*
- *3. FURTHER RECALLS the obligation to notify the Depositary of agreements or arrangements mentioned in article 6, paragraph 2 of the London Protocol (as amended by resolution LP.3(4));*
- *4. AFFIRMS that the export of carbon dioxide under the provisional application of article 6 of the London Protocol (as amended by resolution LP.3(4)), and in compliance with the requirements of paragraph 2 of the article (as amended by resolution LP.3(4)) will not be in breach of article 6 as in force at the time of the export; and*
- *5. URGES Contracting Parties to consider accepting the amendment to article 6 of the London Protocol adopted through resolution LP.3(4).*

Export of CO₂ for Offshore Storage is Allowed



- This means that countries can now legally export and import CO₂ for offshore geological storage
- Environmental protection is in place. The guidance documents for permitting offshore storage and for export agreements were revised/finalised for transboundary activities in 2012 (CO₂ Specific Guidelines) and 2013 (Agreements and Arrangements).



Kilde: PCI-søknad fra **Northern Lights** (Equinor, Shell og Total)



Update on the London Protocol CO2 Export Resolution

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