

Environmental Assessment of HMDC's 2D/3D/4D Seismic Projects 2013-Life of Field
Newfoundland Offshore Area: Proposed Changes to the Project (LGL Limited July 2014)

Environment Canada

The proponent should be reminded that results from the onboard seabird observation program should be sent to EC-CWS on an annual basis.

Fisheries and Oceans Canada (DFO)

Section 2.2.9 Seismic Energy Source Parameters, page 5 - With respect to the proposed OBS survey "The air source operates on compressed air at pressures 1,800 to 2,500 psi, and produce approximate peak-to-peak pressures 100 to 180 bar-m." The output range and source operating pressure for OBS should be reflected in Table 1 (page 3) since OBS is included in the Table under 'Type of Survey'.

Canada-Newfoundland and Labrador Offshore Petroleum Board (C-NLOPB)

Section 2.0 Project Description, 2nd para, line 4, pg 2 – The streamer length may be upgraded to "10,000 m" but Section 2.2.10 states up to "10, 050 m".

Section 2.2 Project Overview, 1st para, line 3, pg 3 – Additional detail is required for the "Ocean Bottom Seismic" activity. The information should include a description of the sensors (including size), the number, length of time placed on the seabed. If they are independent recording nodes, how are they placed on the seabed? When they are retrieved, is there anything left on the seabed?

Section 4.7 Special Areas, last para, last sentence, pg 12 – "*Given the nature...corals and sponges*". But if OBC is used, what would be the interaction with corals and sponges?

Section 5.7 Cumulative Effects, pg 14 – Would there be a cumulative effect within the project if an undershoot vessel is used?

Section 5.9 Residual Effects of the Project, Table 4, pg 15 – The Table does not include "undershoot vessel".