

Environmental Assessment Review Form	
Operator	Suncor Energy
Activity	2D/3D/4D Marine Seismic, Wellsite/Geohazard Surveys, Vertical Seismic Profiling (VSP)
Location (Geographic Scope)	Eastern Newfoundland – Jeanne d’Arc Basin, Flemish Pass, Orphan Pass
Temporal Scope	Seismic Surveys - Between 1 May and 31 December, 2014 through 2024 Wellsite/Geohazard Surveys – Between 1 March and 31 December, 2014 through 2024 VSP Surveys – Year round, 2014 through 2024
Project Description Submission Date	October 11, 2013
Scoping Document Publication Date	November 1, 2013

EA Coordinator Has a determination on the significance of adverse environmental effects been made on this project in the past?
(Check one) YES NO

File Number: 30006-020-001		
Documents Assessed	Title	Date Received
EA Report	<i>Environmental Assessment of Suncor Energy’s Eastern Newfoundland Offshore Area 2D/3D/4D Seismic Program, 2014-2024</i>	December 23, 2013
Final EA or Addendum	<i>Environmental Assessment of Suncor Energy’s Eastern Newfoundland Offshore Area 2D/3D/4D Seismic Program, 2014-2024 Addendum</i>	August 17, 2015
Determination on Significance of Adverse Environmental Effects		
<input checked="" type="checkbox"/> The project is not likely to cause significant adverse environmental effects. The project is likely to cause significant adverse environmental effects that cannot be justified in the circumstances. The project is likely to cause significant adverse environmental effects that can be justified in the circumstances. It is uncertain whether the project will result in significant adverse environment effects, or public concerns warrant reference to a mediator or a review panel.		

GOVERNMENT DEPARTMENTS INVOLVED
√ Fisheries and Oceans Canada
√ Environment Canada
√ National Defence
√ Transport Canada
√ Health Canada
√ Natural Resources Canada
√ NL Fisheries and Aquaculture
√ NL Environment and Conservation
√ NL Natural Resources
√ Other (please specify) One Ocean, FFAW-Unifor

RECOMMENDED CONDITIONS FOR AUTHORIZATION
<p>As a condition of authorization, the Operator will be required to implement and honor the mitigation measures and commitments made within the Environmental Assessment.</p> <p>The following conditions are recommended to be appended to authorizations granted by the C-NLOPB for the seismic/wellsite/VSP survey program, as described in the environmental assessment reports referenced above:</p> <ul style="list-style-type: none"> • <i>The Operator shall implement or cause to be implemented, all the policies, practices, recommendations and procedures for the protection of the environment included in or referred to in the Application and in the “Environmental Assessment of Suncor Energy’s Eastern Newfoundland Offshore Area 2D/3D/4D Seismic Program 2014-2024 (LGL Limited December 2013), and the Environmental Assessment of Suncor Energy’s Eastern Newfoundland Offshore Area 2D/3D/4D Seismic Program 2014-2024 Addendum (LGL Limited August 2015).</i> • <i>The Operator, or its contractors, shall shut down the seismic airgun array if a marine mammal or sea turtle listed as Endangered or Threatened (as per Schedule 1 of SARA) is observed in the safety zone during ramp- up procedures and when the array is active. The safety zone shall have a radius of at least 500 m, as measured from the centre of the air source array(s).</i>

SIGN-OFF

Original signed by Elizabeth Young
EA Coordinator
(December 8, 2015)

Original signed by Dave Burley
Director of Environmental Affairs
(December 8, 2015)