

Environmental Assessment Review Form	
Operator	Nexen Energy ULC
Activity	Geophysical, Geochemical, Environmental And Geotechnical
Location (Geographic Scope)	Eastern Newfoundland
Temporal Scope	Between 1 April and 30 November, 2018 through 2023
Project Description Submission Date	February 1, 2017
Scoping Document Publication Date	March 13, 2017

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: 32006-020-001		
Documents Assessed	Title	Date
EA Report	<i>NEXEN ENERGY ULC Eastern Newfoundland Offshore Geophysical, Geochemical, Environmental and Geotechnical Program (2018 – 2027) Environmental Assessment</i>	June 19, 2017
Final EA or Addendum	<i>NEXEN ENERGY ULC Eastern Newfoundland Offshore Geophysical, Geochemical, Environmental and Geotechnical Program (2018 – 2023) Environmental Assessment Addendum (Revised) Final Report #3</i>	December 5, 2018
Determination on Significance of Adverse Environmental Effects		
<p><input checked="" type="checkbox"/> The project is not likely to cause significant adverse environmental effects.</p> <p>The project is likely to cause significant adverse environmental effects that cannot be justified in the circumstances.</p> <p>The project is likely to cause significant adverse environmental effects that can be justified in the circumstances.</p> <p>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.</p>		

GOVERNMENT DEPARTMENTS INVOLVED
√ Fisheries and Oceans Canada
√ Environment and Climate Change Canada
√ National Defence
√ Transport Canada
√ Health Canada
√ Natural Resources Canada
√ Parks Canada
√ NL Fisheries and Land Resources
√ NL Municipal Affairs and Environment
√ NL Natural Resources
√ Other (One Ocean, FFAW-Unifor, Ocean Choice International, Association of Seafood Producers, Groundfish Enterprise Allocation Council-Canadian Association of Prawn Producers)

RECOMMENDED CONDITIONS FOR AUTHORIZATION
<p>As a condition of authorization, the Operator will be required to implement and honour 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 program, as described in the EA 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 NEXEN ENERGY ULC Eastern Newfoundland Offshore Geophysical, Geochemical, Environmental and Geotechnical Program (2018-2027) Environmental Assessment (Amec Foster Wheeler June 2017) and the NEXEN ENERGY ULC Eastern Newfoundland Offshore Geophysical, Geochemical, Environmental and Geotechnical Program (2018-2023) Environmental Assessment Addendum (Revised) Final Report #3 (Amec Foster Wheeler December 2018).</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> • <i>A report on mitigation and monitoring identified in the EA, and undertaken during the program, should be submitted to the C-NLOPB within six (6) months of completion of the fieldwork in a format that is suitable for public release (e.g. PDF). The report should include a description of the mitigation and monitoring measures identified in the EA,</i>

including those described in the Statement of Canadian Practice with respect to the Mitigation of Seismic Sound in the Marine Environment, and implemented during the program as well as the assessment of the effectiveness of these measures. It shall include, but not be limited to, copies of the Fisheries Liaison Officer (FLO), marine mammal observer (MMO) and seabird observer reports that were produced during the program.

SIGN-OFF

Original signed by Ian Murphy

EA Coordinator
December 19, 2018

Original signed by Elizabeth Young

Director of Environmental Affairs
December 19, 2018