

## Lustrum Multi-client Marine Seismic Surveys Environment Plan

This document provides notification of NOPSEMA’s decision made under regulation 10 of the Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Environment Regulations). In this instance, NOPSEMA is still not reasonably satisfied that the environment plan meets the criteria set out in regulation 10A, and therefore must refuse to accept the environment plan.

### Submission information

<b>Titleholder<sup>1</sup>:</b>	CGG Services (Australia) Pty Ltd
<b>Environment plan:</b>	Lustrum Multi-client Marine Seismic Surveys, Rev 2
<b>Petroleum title(s)/Application number(s):</b>	2F773D
<b>Date submitted to NOPSEMA:</b>	17/11/2015
<b>Activities type(s)<sup>2</sup>:</b>	<ul style="list-style-type: none"> <li>• Seismic survey</li> </ul>
<b>Activity overview:</b>	<p><b>Activity Description and Location</b></p> <p>CGG proposes to acquire multi-client three-dimensional (MC3D) and multi-client two-dimensional (MC2D) marine seismic surveys (MSS) within the Lustrum Multi-client (MC) Marine Seismic Survey (MSS) polygon, in the North-west Marine Region offshore from Western Australia. The Lustrum MC MSS polygon is based on a basin-wide approach and is comprised of greater than 728,000 square kilometres (km<sup>2</sup>). Water depths within the Lustrum MC MSS polygon range from ~50 m to ~5,000 m, with the deepest water depths situated in the offshore regions of the polygon. The Lustrum MC MSS polygon extends from North West Cape northwards to the offshore waters west of Troughton Island in the Kimberley.</p> <p>CGG proposes to conduct individual surveys within the Lustrum MC MSS using a purpose-built seismic survey vessel. A support vessel will accompany the survey vessel. The survey vessel may be refuelled at sea either within or immediately adjacent to the survey area. At sea refuelling will only take place during daylight hours and will not take place within a distance of 25 km from any emergent land or shallow water features.</p> <p><b>Operational Details</b></p> <p>The Lustrum MC MSS is a typical 3D and 2D survey similar to most others conducted in Australian marine waters (in terms of technical methods and procedures). No unique or unusual equipment or operations are proposed. During the proposed activities, the survey vessel will traverse a series of pre-determined sail lines within the survey area at a speed of ~8-9 km/hr. The operating pressure for the airgun array will be ~ 2,000 psi with a maximum volume of ~4,630 in<sup>3</sup> and will produce at source sound pulses in the order of 261 dB re 1 μPa-m, at frequencies up to ~200 Hz.</p>




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**Timing**

The timing of commencement and duration of individual surveys have not yet been determined. Individual surveys within the Lustrum MC polygon may be conducted over a period of five (5) years, with a maximum of 180 vessel days operating in one year.

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<b>Decision:</b>	Refuse to accept
<b>Decision date:</b>	10/03/2017
<b>Decision made by:</b>	Representative of NOPSEMA: Environment Manager - Seismic & Production Operations

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## Basis of decision

NOPSEMA has assessed the environment plan in accordance with its assessment policies and procedures. On completion of assessment, NOPSEMA has decided that it is not reasonably satisfied that the environment plan meets the criteria below as set out in regulation 10A of the Environment Regulations:

- (c) demonstrates that the environmental impacts and risks of the activity will be of an acceptable level
- (e) includes an appropriate implementation strategy and monitoring, recording and reporting arrangements
- (g) demonstrates that:
  - (i) the titleholder has carried out the consultations required by Division 2.2A
  - (ii) the measures (if any) that the titleholder has adopted, or proposes to adopt, because of the consultations are appropriate

## Titleholder requirements

NOPSEMA decision to refuse to accept the environment plan means that assessment of the submission is complete. A titleholder can submit a new environment plan for the same activity to NOPSEMA for assessment. However, this will constitute a new submission and attract an environment plan levy.

## How to get further information

If you have any further questions regarding the activity it is suggested you contact the titleholder's nominated liaison person for the activity.

If you would like to access any further information regarding this decision, or would like to contact NOPSEMA please email [environment@nopsema.gov.au](mailto:environment@nopsema.gov.au).

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<sup>1</sup> A titleholder includes an applicant for a petroleum access authority, petroleum special prospecting authority, pipeline licence, greenhouse gas search authority or greenhouse gas special authority under sub-regulation 9(2).

<sup>2</sup> Activity type as listed in the Offshore Petroleum and Greenhouse Gas Storage (Regulatory Levies) Regulations 2004