

20 May 2011

Ms Mary Colreavy  
Assistant Secretary  
Department of Sustainability, Environment, Water, Population and Communities  
GPO Box 787  
Canberra ACT 2601

Dear Ms Colreavy

**SUB: Approval of QCLNG EIS 2008/4398  
Approval Conditions 65 and 67**

I refer to the Department's conditions of Approval of QGC's EIS for its QCLNG project and in particular, Condition 67 which requires written approval from your Department, should QGC intend to satisfy Condition 65 by any program of works.

I write to address this issue.

The 4 major Industry Proponents – Arrow, Santos, Origin and QGC have met and work-shopped the requirements for Geodetic/Surface level baseline and ongoing Subsidence monitoring, and believe that the best method of providing reliable pre-production baselines and during operation monitoring, will be through the use of radar satellite imagery using best available data.

Proposals have been sought for pre-production surveys and the Industry group proposes to use the services of Altamira, a Spanish software applications company with access to the ALOS satellite data. This company's Australian agent is Dr John Bradshaw, who previously was Geoscience Australia's Chief Scientist (CCS), and is now CEO of CO<sub>2</sub> Geological Storage Solutions (CGSS). CGSS will provide consultancy services to Altamira to support the review of the data.

Both Altamira and CGSS are registered on the Federal Government's panel for supply of radar data and services via the Optical, Geospatial, Radar and Satellite (OGRE) project.

The use of this imagery in the Altamira proposal, will provide historical (pre-production over most of the tenements) ground levels and deformations up to a resolution of approximately 3mm.

**Attached** is the relevant portion of the Proposal from Altamira.

In conformance with Condition 67, QGC hereby seeks approval from the Minister *to satisfy Condition 65 (a) baseline and ongoing geodetic subsidence monitoring....*, through execution of this proposal from Altamira, in conjunction with all other Industry Proponents.

We look forward to your response in due course.

Yours sincerely



**Ms Tracey Winters**  
**General Manager – Environment**

**Cc. SEWPAC (Mr Nick Gascoigne)**

**Attachment 1.** - Proposal/Implementation schedule for Radar Satellite Imagery application services from A  
Altamira Information