

Summary of Applied Reservoir Enterprises Stakeholder Feedback and Reservoir Containment Team (RCT) Response on Technical Reports				
Section	Stakeholder Feedback - Issue	Possible Solution or Recommendation	Rationale to Support Solution or Recommendation	RCT Response
RC-05	During the recent past ARE was involved in development of a system for a client and was exposed to a number of presentations on Bakersfield experience in the USA that used tiltmeters for monitoring. ARE believes this experience is directly relevant and should be summarized as part of the AER's report.			The RCT is aware of the use of tiltmeters in other jurisdictions. However the RCT believes that the application of tiltmeters in Northern Alberta has challenges (e.g. terrain) that other areas do not and would be incapable of providing timely information for the purposes of alarms to avoid a loss of containment.
RC-04	With respect to the limitations of geomechanical modelling, there are a number of steps the AER can take: i. Use of more extensive geological description and index testing in particular. ii. Creating a public database of mechanical properties. iii. Creating a public database of mini-frac results and pre-consolidation stresses. iv. Promoting significant research on geomechanical issues in both the government and academic environment.			<p>i. The RCT does not intend to prescribe the geomechanical modelling approach that should be used.</p> <p>ii. The RCT acknowledges the development of a database of mechanical properties may be beneficial.</p> <p>iii. The RCT believes the development of a database of mini-frac results would be beneficial, subject to AER priorities.</p> <p>iv. The AER supports research by industry.</p>
RC-02	ARE suggests that a requirement for comments on the location and risk of blowout structures would be appropriate in geological description of a SAGD application in items 6.2, and 6.3 of RC-			The RCT believes that this type of feature would be identified by the geological information requirements in RC-02.
RC-03	The MOP requirement could include a demonstration that condensation induced water hammer DOES NOT occur in SAGD wells.			The RCT is not convinced that adequate evidence has been gathered to support that this phenomenon is occurring in SAGD wellbores and if it did occur, that it would have sufficient energy to compromise reservoir containment.

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	ARE suggests the AER directive could specify increased diligence with glacial caprock and each project could be considered on its own merits. This might be preferable to broad restrictions, as there are potentially significant reserves in such areas that would be of potential benefit to the province and to the			If a geological strata other than the lower Clearwater shale is demonstrated to be an effective caprock over a projects area, the RCT would be prepared to accept it.