

Summary of CGG 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
2.1.2 pages 10-11	“time-lapse 3-D seismic methods will remain a long-term monitoring method, not able to contribute to assessing changes on a weekly or bi-weekly basis.”	Permanent active seismic system recording and processing continuous time lapse seismic (daily turnaround)	Proven technology exists and can produce seismic images and measuring daily areal seismic variations. This solution produced some good results in heavy oil fields in Europe and in Canada (data available). Such a system allows monitoring of the steam chamber growth in a continuous basis in real time. The continuous seismic will allow operators to visualize the fluid pathways and manage the steam process better. The continuous and real time active time lapse seismic data can assist as an “intermediate-term” monitoring method for steam breakthroughs and cap rock integrity (needs to be demonstrated in a case study)	The RCT acknowledges that a permanent active 3D seismic system could be used for intermediate term monitoring for a small area.
2.3.3 page 21	3D seismic surveys, would have to be repeated at time intervals small enough so that the development of an anomaly could be tracked reliably. This would require 3-D seismic surveys every few days or once a week	Permanent active seismic system recording and processing continuous time lapse seismic (daily turnaround)	Same comment as above	The RCT acknowledges that a permanent active 3D seismic system could be used for intermediate term monitoring for a small area.
2.4.3 page 24	Examples of continuous monitoring include:	Permanent active seismic system recording and processing continuous time lapse seismic (daily turnaround)	Same comment as above, A permanent seismic system solution	The RCT acknowledges that a permanent active 3D seismic system could be used for intermediate term monitoring for a small area.