

**SOLUTION GAS CONSERVATION QUANTIFICATION PROTOCOL**  
**Addressing October 29-30, 2009, 2<sup>nd</sup> Round Protocol Review Questions and Comments**

#	Section	Type of Comment	Comment / Statement	Proposed Resolution and Modifications made to Protocol
1	2.5	Technical	Volume going into pipeline multiplied by factors; would you look at the volume going out (account for leakages)?	Language has been added to the protocol to clarify that fugitive emissions from transportation in pipelines are functionally equivalent under the baseline and project conditions.
2	2.5	Technical	Is there a way to estimate and include emissions from compressors in the project quantification?	These emissions were intended to be included in the protocol and now are, through SS P6.
3	2.5/Appendix	Technical	Are there any specific emissions factors for compressors? How accurate are they?	The appropriate emission factor is sourced from Annex 12, Table A12-1 of the National Inventory Report: Greenhouse Gas Sources and Sinks in Canada, 1990 – 2006. This table provides emission factors for 'Producer Consumption', for each of CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O, which are conservative and therefore appropriate for application to on-site compressor operations.
4	N/A	Policy	Was ERCB consulted about this offset protocol?	The ERCB was consulted; no changes were made to the protocol.
5	N/A	Technical	Is the solution gas pipeline quality? Is processing required?	Solution gas is not always initially pipeline quality; however, the gas must meet natural gas specifications if it is to be injected into a natural gas pipeline. SSR P5 Processing captures these emissions if processing is required.
6	1	Policy	What about flaring under the baseline condition?	A flexibility mechanism allows proponents to generate credits in the case that the baseline is the flaring of the solution gas; however, the baseline will be far lower as the methane in the solution gas is being significantly destroyed in the flare and far fewer credits would be available in this situation.
7	1	Policy	Does this cover project condition if you	Yes, a flexibility mechanism has been added to this effect.

			are using solution gas for power generation?	
8	1	Policy	2002 Project Start Dates – Activities meet additionality requirements?	The regulation in place at the time the project was commissioned is the regulation used for purposes of additionality and crediting eligibility. If the regulation changes after the commissioning of the project such that the project would now be required, the project may still generate credits for the crediting period. This clarification has been added to the protocol.
9	1	Policy	Potential size of reductions and value of credits?	The total theoretical maximum potential is estimated to be 4 Mt CO <sub>2</sub> e. The value of the offset credits incent the project developer to conserve solution gas.
10	2.5/Appendix	Technical	Context around emission factor use for solution gas injected into pipeline?	The protocol has been modified to clarify that the emission resulting from the use of solution gas and natural gas under the project and baseline conditions are functionally equivalent.
11	2.5	Technical	How often is the concentration of methane measured?	Annually.