

SUBJECT	Comment	Recommendation
<p>Application for MLA Tank Farm Modification (Phase 3: Addition of Tank 5).</p> <p>Section 4: Drilling and Blasting – 4.1.2 Description Pg 50</p>	<p>The use of explosives in aquatic environments can cause harm to fish by rupturing the swim bladder, damaging other internal organs, or incubating eggs. It could also result in physical and/or chemical alterations to fish habitat from sedimentation.</p> <p>The document states “ Blasting near waterbodies frequented by fish will require lower powder factors, as determined by Guidelines issued by the Department of Fisheries and Oceans” but does not provide details on guidelines to be used and the distance of any waterbodies within the vicinity of the blasting location.</p>	<p>Please confirm the Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters (Wright and Hopky, 1998) will be followed and that a blasting threshold limit of 50 kPa for instantaneous pressure change will be used in order to appropriately mitigate effects of blasting on fish as recommended in Cott and Hanna (2005)*</p> <p>*Cott P and Hanna B. 2005. Monitoring Explosive-based Winter Seismic Exploration in Waterbodies, NWT 2000-2002. Pages 473-490. In: Proceedings of the Offshore Oil and Gas Environmental Effects Monitoring Workshop: Approaches and Technologies. Battelle Press. Columbus. 601 p + index.</p> <p>Please provide which mitigations measures will be followed to protect marine mammals during blasting activities.</p> <p>Please identify all waterbodies in the vicinity of the project that could be impacted by the blasting activities and provide the distance (m) of each water body from the blasting location.</p>