

<b>Undertakings from Day 3: 11 through 15 (5 total)</b>			
<b>Undertaking #</b>	<b>Topic – Subtopic</b>	<b>Undertaking</b>	<b>Due Date*</b>
Undertaking #11	Additional sediment sampling results	DDEC will provide the results of the recent additional sediment sampling from within the diked area to the Review Board and IEMA. DDEC will make every effort to provide these results by the undertaking deadline.	
Undertaking #12	Misery pit water quality	DDEC will compare the length of time the Misery pit walls are exposed in the conservative and lower bound assessment cases. DDEC will also describe where the water to fill Misery pit would come from and what the water quality in the pit will be when the pit is full under the lower bound scenario.	
Undertaking #13	Synergistic toxicity	DDEC will describe how synergistic or additive and antagonistic effects of multiple contaminants were assessed with respect to similar or different modes of toxic action. This will include a discussion of toxicity modifying factors.	
Undertaking #14	Meromictic lake fish populations	DDEC will describe how fish populations changed before and after the formation of meromixis in other relevant pit lakes, if the information is available.	
Undertaking #15	Mixing zone toxicity	Environment Canada will approach their wildlife toxicology expert and determine if, based on the water quality predictions for Misery Pit and the Jay project mixing zone, they anticipate any harm to migratory birds under the migratory bird convention act.	

\*If not specified, due date is October 9<sup>th</sup>, 2015.