To: Richard Dwyer, Nunavut Water Board

From: Luis Manzo, Director of Lands, Kivalliq Inuit Association

Date: July 11, 2023

۵۶۵۵¢ Arviat Re: Whale Tail Modification for water licence 2AM-WTP1830

56Lo C) △56 Baker Lake

Dear Mr. Dwyer,

△¹コーしらん。 Chesterfield Inlet

5°€56 Coral Harbour The Kivalliq Inuit Association (KIA) has reviewed the proposed 2023 modification to Water Licence 2AM-1830 at the Whale Tail project. At this time, the KIA has the following comment:

∿Þ<sup>c</sup> Naujaat

b<sup>∞</sup>C<sup>56</sup>c<sup>-</sup>σ<sup>56</sup> Rankin Inlet

NPS54456 Whale Cove In regards to section 2.9 of the Water Balance Water Quality Model (WQWBM), solubility caps for phosphorus are introduced to refine the modelling of phosphorus loading. Does the insoluble phosphorus remain in the O-WTP sludge, or does a portion of the insoluble phosphorus precipitate into the sediment bed of the receiving environment? If the latter, does the model account for mobility of the precipitated phosphorus from the sediment during the closure phases?

Thank you for the opportunity to participate in this review.

Regards,

Luis Manzo P, Ag. Director of Lands

Kivalliq Inuit Association

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