

Appendix G.13
Marine Resources
Information Request #34

December 12, 2014

Catherine Ponsford
Project Manager
Canadian Environmental Assessment Agency
Pacific and Yukon Regional Office
410-701 Georgia Street West
Vancouver, BC V7Y 1C6

Dear Ms. Ponsford:

Reference: Marine Resources Information Request #34

This letter responds to the request for Outstanding Information received from the Canadian Environmental Assessment (CEA) Agency on August 14, 2014.

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Government of Canada - Outstanding Information:

The proponent has indicated that pile driving and dredging will occur concurrently during construction of the project. Therefore understanding impacts on fish utilization of the PDA resulting from underwater noise generated from pile driving combined with underwater noise from dredging is required. Cumulative underwater noise has the potential to alter fish and marine mammal behavior. These impacts need to be understood through modelling to determine significance of residual effects on species in the area.

Pacific NorthWest LNG Limited Partnership (PNW LNG) - Response:

As stated in Section 13 of the Environmental Impact Statement (EIS), *“Although dredging and pile driving are not expected to occur simultaneously at the MOF, there may be overlap of dredging and pile driving at the marine berth area resulting in increased intensity of underwater noise; potentially causing behavioural effects over greater distances.”*

The recent marine terminal design mitigation eliminates dredging Agnew Bank (for the marine terminal berth area). This reduces the time required for dredging activities and makes it very unlikely that pile driving and dredging will occur concurrently. Please refer to PNW LNG response to IRs 4, 5, and 6 (Preliminary Draft Marine Mammal Monitoring and Protection Plan (Appendix G.3 and Appendix 1 of Appendix J.8 of the EIS Addendum)) which outlines the various commitments, mitigation measures and monitoring programs that PNW LNG will implement to reduce potential adverse project-related environmental effects on marine mammals. Once the construction schedule is confirmed, any temporal overlap identified for in-water construction activities will be identified and discussed with DFO as part of the permitting phase of the project. If it is determined that pile installation and dredging need to occur simultaneously, potential underwater noise levels will be modelled to inform mitigation measures and a monitoring program will be developed.

Closure

This letter provides the Outstanding Information requested by the Government of Canada. If you have any questions, please contact PNW LNG.

