

1     **Q.     Re: Project B-7 Refurbishment of Marine Terminal**

2             At page 13 of the July 2011 report in support of this Project, Hydro refers to a  
3             solidified oil condition which, if undetected, can subject fuel lines to potentially  
4             damaging pressure levels. How is this condition currently inspected for, detected  
5             and remedied?

6  
7  
8     **A.**     Fuel lines can be subjected to potentially damaging pressure levels when oil has  
9             solidified in the lines causing blockages and impeding oil cargo transfer. The oil  
10            solidifies in the lines typically in colder weather (winter) periods when oil line heat  
11            tracing malfunctions. This condition would be manifested as a higher than normal  
12            pressure measured at the discharge pump on the offloading vessel. To remedy  
13            such a condition, Hydro would inspect, and as appropriate repair, its heat trace  
14            lines to ensure there are no breaks.

15  
16            Hydro performs preventive maintenance checks on the functionality of the heat  
17            tracing through electrical readings on the tracing and temperature scans of the oil  
18            line, prior to the arrival of oil cargo. If the heat tracing is found to be faulty, repairs  
19            are completed as soon as possible to enable the heat tracing to reheat the solidified  
20            fuel in the lines and dissolve any blockages that may have formed since the time of  
21            the last inspection/repair. Refer to the response to P2-CA-NLH-6 for further  
22            information regarding the solidified oil condition.