

1 Q. **Re: B-7, Upgrade Marine Terminal – Holyrood \$5,859,600 in 2012**

2 One page 13, Appendix B of the report *Refurbishment of the Marine Terminal*,  
3 Volume I, Tab 3, it is stated that a concrete gravity fender fell from the marine  
4 terminal in 2008, and on page B-19 it is stated that the fender was one of the  
5 “critical fenders”. What action did Hydro take since 2008 to mitigate the loss of this  
6 fender?

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9 A. As per page 18, Appendix B of the report, there are four gravity fenders (3, 4, 5 and  
10 6) which are utilized during docking. One of these four critical fenders (fender 4)  
11 fell from the structure in 2008, leaving three of the critical fenders intact.

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13 To mitigate the loss of this critical fender, Hydro engaged Hatch to investigate the  
14 cause of the failure and spearhead the completion of emergency repairs to the  
15 three remaining critical fenders to ensure that they were in no danger of failing.  
16 The emergency repairs consisted of a major repair to fender 3 which involved the  
17 replacement of the secondary arms on the fender. Partial refurbishments were also  
18 completed on fenders 5 and 6. A follow-up inspection was completed on the  
19 remaining fenders in the fall of 2010 to ensure that the fenders present no  
20 imminent danger of failing.

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22 Following the completion of the repairs, Hydro implemented a revised docking  
23 procedure for all future vessels offloading at the facility. This procedure consists of:  
24 limiting the size of the vessel at 55,000 DWT, the use of tractor tugs to assist the  
25 vessels when docking, reducing the vessel approach velocity and enhanced  
26 monitoring of both wind speed and direction to ensure that vessels do not attempt  
27 to dock in unfavourable conditions.