

1 Q. C-21; Volume II, Tab 10: Automate Generator Deluge Systems – Bay d’Espoir, page  
2 6, Hydro states: *“In 2010 during the rewind of Unit 2, it was noted that the*  
3 *sprinkler ring in the deluge system did not have proper holes drilled in the pipe*  
4 *ring to discharge water.”* Hydro also states: *“There is a concern that this condition*  
5 *may exist in other units, and to inspect this sprinkler ring the generating unit will*  
6 *be required to be partially dismantled.”*

7 Please explain the inspection process of the sprinkler distribution rings prior to the  
8 installation of the automated deluge systems to ensure proper holes are drilled to  
9 discharge water.

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12 A. It has been determined that the inspections of the sprinkler rings are not required.  
13 When Unit 2 was rewound it was initially reported that the sprinkler ring did not  
14 have proper holes drilled in the air supply pipe that is installed inside the water  
15 sprinkler ring pipe. The purpose of the holes in the air supply pipe is to inject air  
16 into the water travelling through the outside water pipe. The air becomes entrained  
17 in the water and helps it break into smaller particles as it leaves the outer pipe  
18 making it more effective in suppressing fire. These holes are very small and upon  
19 closer inspection did indeed exist. There is no longer a concern that holes in the air  
20 supply pipes for other units may not exist. As inspection of the sprinkler distribution  
21 rings was not part of the scope of work for this project, not having to do that  
22 inspection will not impact this capital project.