

1 Q. **Project D-226: Replace Spherical By-Pass Valve Units 1 and 2 - Bay d'Espoir**

2 Further to IC-NLH-53, on page D-227 it is noted that in the past 5 years, there have
3 been times when by-pass assemblies have not been operating in compliance with
4 the design for the spherical valve control system. Please advise when the system
5 was not in compliance and submit any log of entries relating to such incidents.

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8 A. There is no formal log of the failures of these valves to open with the automated
9 controls. When this occurs it has to be dealt with immediately to ensure that the
10 unit is brought on line when required. Greasing and a manual freeing up of the
11 valve are required at this time and then the valves are opened manually to allow
12 the spherical valve to open safely.

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14 Maintenance programs require the greasing of these valves on a regular basis but
15 due to the wear encountered on internal components the valves are still
16 malfunctioning. To avoid unwanted unit outages, these valves need to be replaced.