

1 Q. **Re: Volume II, Tab 11 – Upgrade Underground Plant Drainage System - Holyrood**

2 What maintenance has Hydro carried out on the system since construction?

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5 A. The underground plant drainage system consists of piping, manholes, valves and oil
6 water separators. It was designed to function as a low maintenance asset, typical
7 for systems of this nature.

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9 The manholes and valves undergo periodic visual inspection, to ensure that the
10 system is operating properly, with corrective maintenance completed on an “as-
11 need” basis. Piping is repaired as required. Examples of the corrective maintenance
12 performed on the various components consists of: the removal of pipe blockages;
13 the cleaning of manhole sumps; and the application of grouting to repair cracks
14 which develop in the concrete manholes.

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16 The oil water separators are subject to regular maintenance. The maintenance tasks
17 conducted are typical for these units and consist of: the removal of oil and sludge
18 build-up; steam cleaning of the tank interior; verification of the fluid level float
19 operation;, performance of galvanic monitoring checks; repair/replacement of
20 automated fluid level alarms; and the replacement of the filtration system.