

1 Q. **Replace Power Transformers – Oxen Pond, Volume III, Tab 27**

2 Was oil and gas analysis completed on OPD GT1 prior to failure? If yes, did the  
3 results indicate a problem with the transformer prior to failure that would justify  
4 replacement as per the justification criteria on page 6 of Tab 27?

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7 A. A routine oil sample was collected from OPD GT1 on February 4, 2014, 207 days  
8 prior to its failure. This oil sample did not indicate a problem with the transformer  
9 that would justify replacement as per the justification criteria noted. There are  
10 other modes of failure of transformers unrelated to the results of routine oil  
11 samples. This was the case with OPD GT1 as this transformer failed from water  
12 collecting in the bus enclosure due to a failed gasket cover. This could have been  
13 detected and corrected through a visual inspection inside the bus enclosure. Hydro  
14 has since added visual inspections of enclosures to the preventative maintenance  
15 routine for transformers.