Q. 1 Re: Volume II, Tab 12 - Install Asset Health Monitoring System - Upper Salmon 2 **Generating Plant** An automated data collection system would have alerted plant 3 4 engineering to this issue by providing trended vibration signals. 5 This event was due to an ongoing issue with corrosion fretting on this unit. (p. 6-7) 6 7 Did the inspections and maintenance reveal the issue of corrosion fretting prior to 8 the forced outage in 2014? 9 10 Unacceptable vibration in equipment may result in corrosion fretting. Ongoing 11 Α. 12 corrosion fretting, if severe enough, will result in equipment failure. Previous 13 inspections in 2002, 2006 and 2010 provided an opportunity to identify corrosion 14 fretting; however, signs of that activity were not identified. Hydro concluded that 15 corrosion fretting started after the 2010 inspection and was ongoing for an 16 undeterminable time before the unit failure in 2014. By installing this monitoring 17 system, Hydro will be able to identify issues such as vibration levels and trends and will improve its ability to provide timely intervention. 18