

1 Q. Re: Burnt Spillway Refurbishment Volume II (Tab 6)

2 At pages 10 and 11, reference is made to a 2006 incident when the gates at Burnt  
3 Spillway failed to operate as required. What was the cause for this failure?

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6 A. The failure took place in the winter of 2006 and the major cause of failure was  
7 seizure of the gate screws on both spillway gates caused by hardening of the grease  
8 on the stem screws. It is suspected that two factors contributed to stiffening of the  
9 grease at that time. The type of grease used in service may have been inappropriate  
10 for low temperature application and it had been exposed to severe environmental  
11 conditions that had caused particulate contamination and icing at the time of the  
12 incident. The deteriorated condition of the grease made it more susceptible to the  
13 adverse effect of cold temperature.