

1 Q. [D01-Dams] - Please provide all meaningful or significant information (e.g., size,
2 age, construction, fill composition, location, specific failure, etc.) surrounding
3 failures of major dams that Gannett Fleming or Hydro are aware of and fully explain
4 and support why those events are not considered atypical events. Further, if Hydro
5 believes its dams are likely to fail in a similar manner, fully explain and justify such
6 belief.

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9 A. Hydro has had one dam failure which occurred on the Hinds Lake Power Canal dyke
10 in 1982. This was an earthen dyke measuring 5,200 metres long. The dyke contains
11 the water in the Hinds Lake Power Canal, taking the water from the main reservoir
12 to the Intake structure. A 20 metre length of dyke failed during the winter of 1982,
13 only 15 months after construction had been completed. A piping failure, which
14 occurred in this case, is one of the leading causes of earthen dam failures and could
15 reoccur.