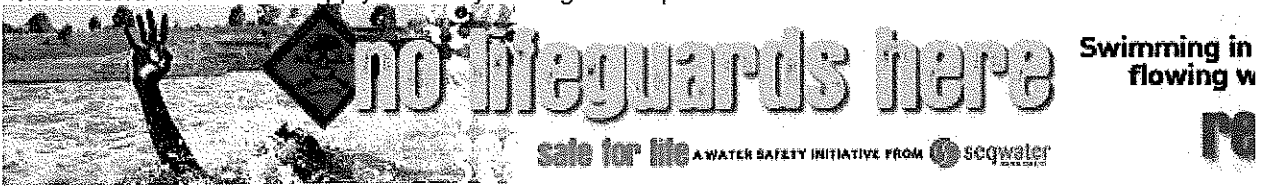


From: Rob Drury [redacted]
Sent: Saturday, 15 January 2011 5:07 PM
To: Duty Seq
Attachments: Ministerial brief - contents outline.doc

Robert Drury
Dam Operations Manager
Water Delivery
Queensland Bulk Water Supply Authority *trading as Seqwater*



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QFCI

Date:

5/2/12

JM

Exhibit Number:

1062

Ministerial brief outline

What is the objective?

- a) Ensuring public transparency
- b) To answer the State's questions on the performance of Wivenhoe Dam operations
- c) Preparation for a public inquiry
- d) Normal and logical course of conduct after the occurrence of a major flood event – Review requirement under the Flood Mitigation Manual

Background (focus on Brisbane River flooding issues)

- 1) Design of Dam – Storages/Spillway upgrade (*Information provider: Seqwater and Peter Allen - DERM*) [1/3 to ½ a page]
- 2) “The Flood Event” – Q&A (*Information provider: Seqwater*) [2 ½ pages]
 - a. Chronology - High level time step of events and significant decision making/changes – more detailed time step information for Tuesday afternoon (i.e. what was the BOM forecast at the time, narrow peak etc.)
 - b. How does Wivenhoe Dam work as a flood mitigator?
 - c. What are the factors being balanced when making decisions about the amount of dam releases? To what extent does information from the Bureau of Meteorology/rain gauges influence decisions? How reliable is this information?
 - d. Statistics on how much did Wivenhoe Dam knock off the flood peak.
 - e. What would have happened if Wivenhoe Dam had not been built and we only had Somerset Dam? What damage would have been caused compared to what has currently been experienced (damage statistics)?
 - f. If we have undertaken pre-emptive dam releases to bring Wivenhoe Dam's full supply level down to lower than what we had maintained (i.e. 60%), what would have been the river height for the period that this flood event occurred?
 - g. If pre-emptive dam releases would not have made a difference, why? (i.e. why did we not release earlier?)
 - h. Why was Wivenhoe Dam only allowed to rise up to 191% and not 230%?
 - i. What is the fuse plug and why did it need to be maintained?
 - j. What damage or town isolation occurred during the Wivenhoe Dam releases that occurred since October 2010?
 - k. Did Seqwater have time to reduce the dam level between the 5 events? If so, would it have made a difference to this flood event?

- 3) The Flood Mitigation Manual (*Information Provider: **Seqwater/DERM***) [½ to 1 page]
 - a. Describe the decision making framework - Four strategies
 - b. How is the Manual designed to work?
 - c. History of Flood Mitigation Manual updates and peer review – who was on the panels, studies that fed into previous versions of the Manual and who was involved in these studies?
 - d. **Attach** Minister Robertson’s request for advice on pre-emptive release and our response (*Information provider: **SEQ Water Grid Manager***)

- 4) Regulatory context - *Water Supply (Safety and Reliability) Act 2008* (*Information provider: **Peter Allen - DERM***)
 - a. Flood Mitigation Manual approval
 - b. Formal reporting process under the Flood Mitigation Manual – **attach** report resulting from the February 1999 flood event
 - c. Decision making process under the Flood Mitigation Manual –
 - i. Who makes the flood release decisions under the Manual?
 - ii. who is informed/consulted?
 - iii. effect of the recent Flood Communication Protocol?

- 5) Brian Cooper Flood Mitigation Manual compliance review (*Responsible: **SEQ Water Grid Manager***)

Seqwater report

(*Information provider: **Seqwater, Peter Allen and Bob Reilly***)

Seqwater, in consultation with Peter Allen and Bob Reilly, to set out how Seqwater’s Flood Mitigation Manual Report to the Chief Executive on the effectiveness of the operational procedures will be undertaken.

- **Attach** table of contents of the 1999 Flood Mitigation Manual report
- Reflect Brian Cooper’s compliance review
- Peer review – establishment of an expert panel – who will be on it? Peter Allen and Bob Reilly may provide some input.
- Communication Protocol and incorporation into the Flood Mitigation Manual (revisit in the next fortnight?)

Timeframes on the development of the report – consider urgency due to anticipated further rainfall during this summer.