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Subject
Review of Seqwater Document "January 2011 Flood Event – Report on the operation of Somerset Dam and Wivenhoe Dam" 2 March 2011

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Title

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Author's Declaration

This report has been prepared in accordance with UniQuest's Quality Management System, which is compliant with AS/NZS ISO 9000:2000.

The work and opinions expressed in this report are those of the Author.

Signed by Emeritus Professor Colin Apelt

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Author signature
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Signed for and on behalf of UniQuest Pty Limited

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Gary Heyden – General Manager
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1. INTRODUCTION

Emeritus Professor Apelt was engaged by UniQuest Pty Limited at the request of Seqwater to undertake independent reviews and to provide advice on various matters in relation to the recent flood events, in particular the January Flood Event.

This report provides the findings of the review that has been carried out by Professor Apelt in response to the letter from the Executive General Manager, Water Delivery QLD Bulk Water Supply Authority *trading as* Seqwater, dated March 07, 2011. This letter specified that, at this time, the review should be confined to answering the two following questions:

1. The January 2011 Flood Event occurred between 6 January 2011 and 19 January 2011. Was the release of water from Wivenhoe Dam and Somerset Dam during the January 2011 Flood Event in accordance with The Manual of Operational Procedures for Flood Mitigation at Wivenhoe Dam and Somerset Dam (Revision 7)?

2. Based on the information contained in the Report, were there any aspects relating to the operation of Wivenhoe Dam and the operation of Somerset Dam during the January 2011 Flood Event **not** in accordance with The Manual of Operational Procedures for Flood Mitigation at Wivenhoe Dam and Somerset Dam (Revision 7)?

2. REVIEW PROCESS

The document, "January 2011 Flood Event - Report on the operation of Somerset Dam and Wivenhoe Dam", dated 2 March 2011 has been reviewed and particular attention has been given at this time to the Executive Summary and to the following Chapters

- 2 Flood Event summary
- 9 Dam inflow and flood release details
- 10 Flood management strategies and manual compliance
- 19 Report conclusions

3. REVIEW FINDINGS

3.1 Question 1 - Response

After detailed review of the information provided in sections 2, 9 and 10 of the Report, Professor Apelt has concluded that the release of water from Wivenhoe Dam and Somerset Dam during the January 2011 Flood Event was in accordance with The Manual of Operational Procedures for Flood Mitigation at Wivenhoe Dam and Somerset Dam (Revision 7), throughout the entire period from 6 January 2011 to 19 January 2011.

3.2 Question 2 - Response

During his review of the information contained in the Report, Professor Apelt did not detect any aspect relating to the operation of Wivenhoe Dam and the operation of Somerset Dam during the January 2011 Flood Event that was **not** in accordance with The Manual of Operational Procedures for Flood Mitigation at Wivenhoe Dam and Somerset Dam (Revision 7).

4. CONCLUSION

The findings reported above have been developed independently by Professor Apelt from his review of the document cited above, without reference to any other source of any nature.